

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019285.D
 Acq On : 27 Aug 2024 14:46
 Operator : SY/MD
 Sample : P3728-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 01:44:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

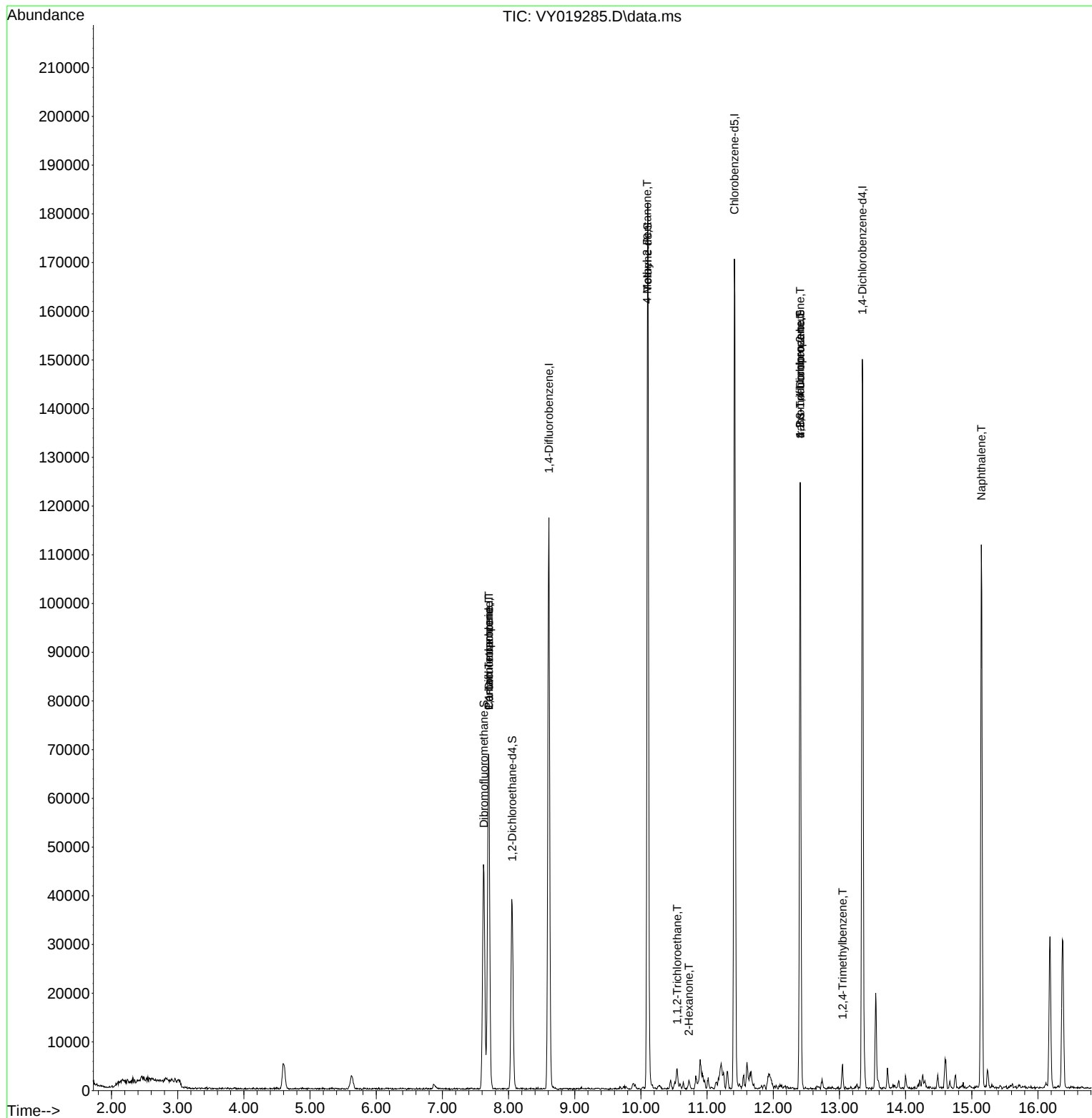
Internal Standards						
1) Pentafluorobenzene	7.701	168	56937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	99305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	94473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	30787	53.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.880%	
35) Dibromofluoromethane	7.628	113	32966	50.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.540%	
50) Toluene-d8	10.103	98	114817	49.137	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.407	95	35950	45.131	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	160	Below Cal		86
6) Chloroethane	2.732	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.854	59	18	Below Cal	#	88
20) Methylene Chloride	4.592	84	3952	Below Cal		90
31) Cyclohexane	7.695	56	1250	Below Cal	#	43
36) 1,1-Dichloropropene	7.701	75	4286	4.807	ug/l #	48
38) Carbon Tetrachloride	7.701	117	5496	5.319	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	676	1.594	ug/l #	1
55) 1,1,2-Trichloroethane	10.548	97	1586	3.118	ug/l #	19
59) 2-Hexanone	10.725	43	724	2.485	ug/l #	19
76) 1,2,3-Trichloropropane	12.407	75	20263	52.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	20263	130.407	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.047	105	2466	1.018	ug/l	95
95) Naphthalene	15.145	128	87776	70.200	ug/l	99

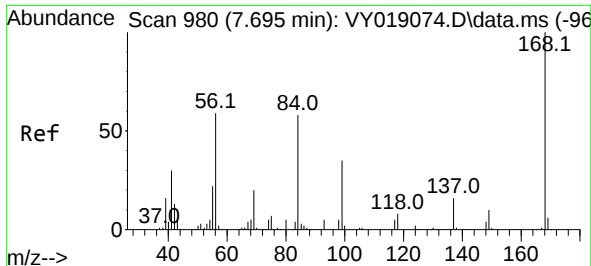
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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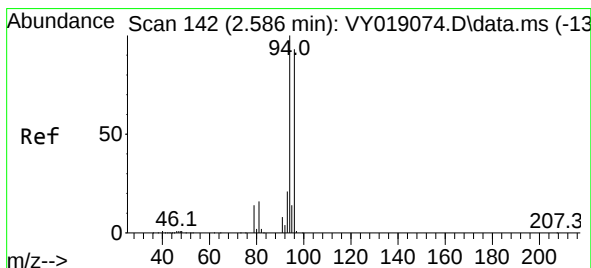
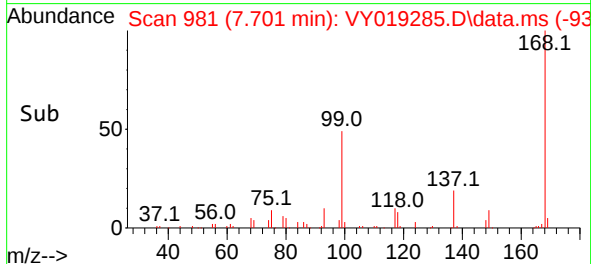
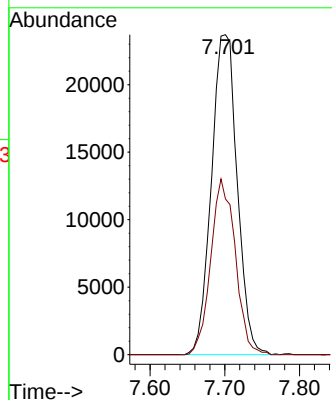
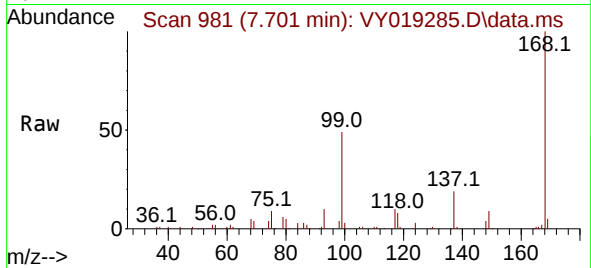




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

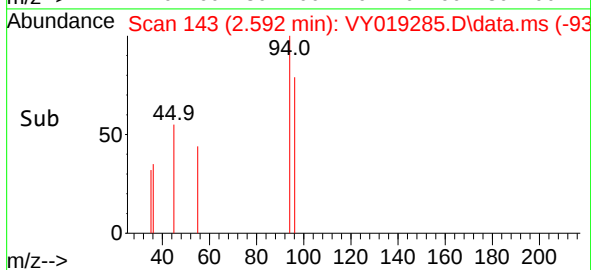
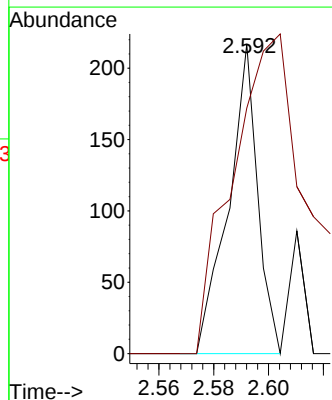
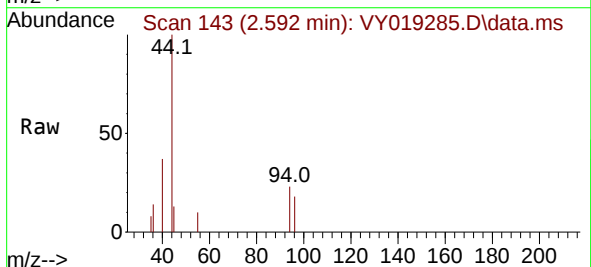
Instrument :
MSVOA_Y
ClientSampleId :

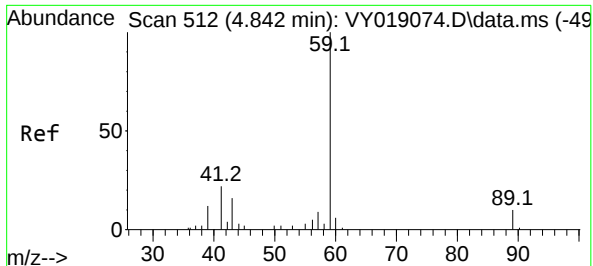
Tgt Ion:168 Resp: 56937
Ion Ratio Lower Upper
168 100
99 48.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 79.3 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

Instrument :

MSVOA_Y

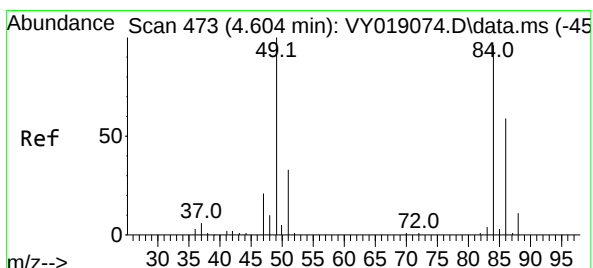
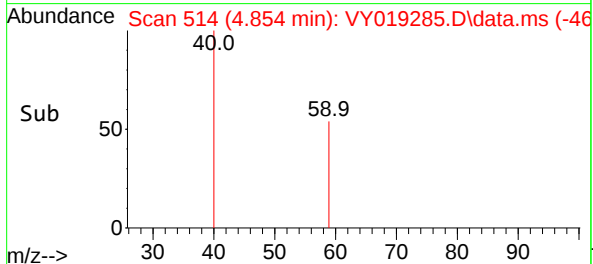
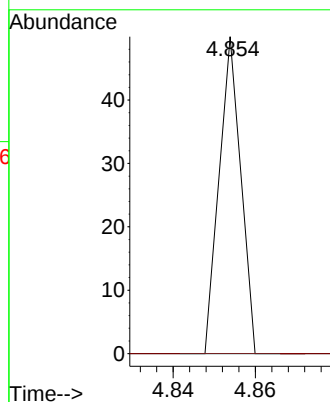
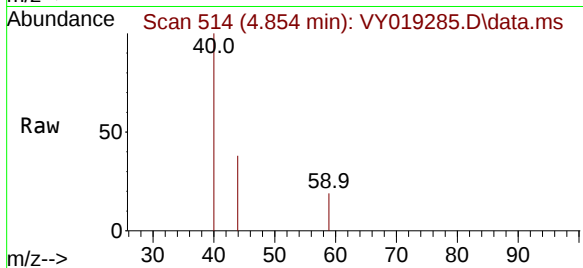
ClientSampleId :

Tgt Ion: 59 Resp: 18

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

Tgt Ion: 84 Resp: 3952

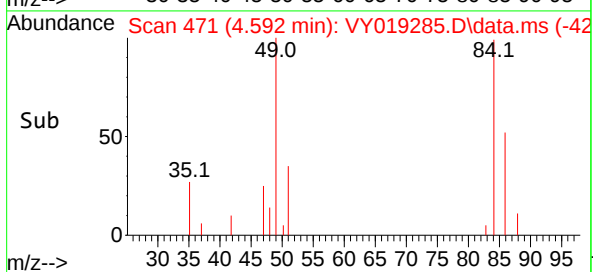
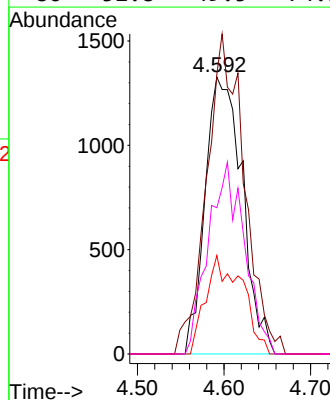
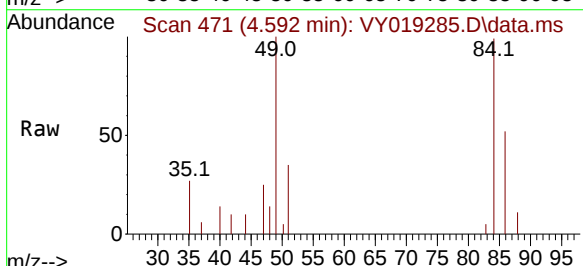
Ion Ratio Lower Upper

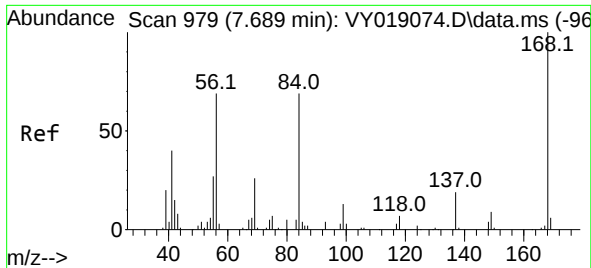
84 100

49 94.5 84.4 126.6

51 35.5 26.0 39.0

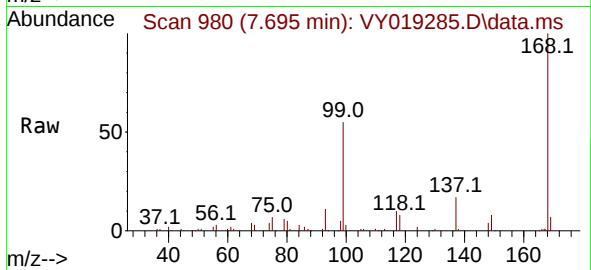
86 52.8 49.5 74.3



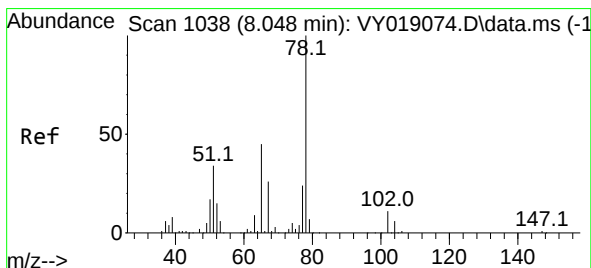
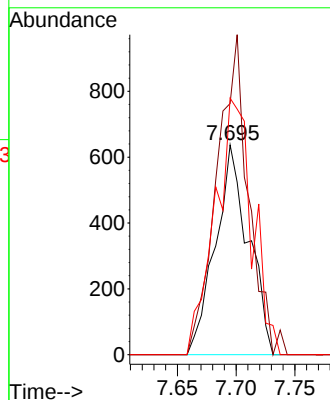
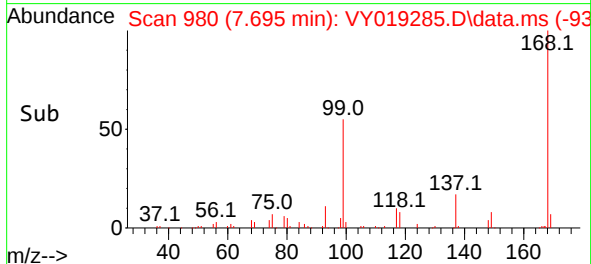


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

Instrument :
MSVOA_Y
ClientSampleId :

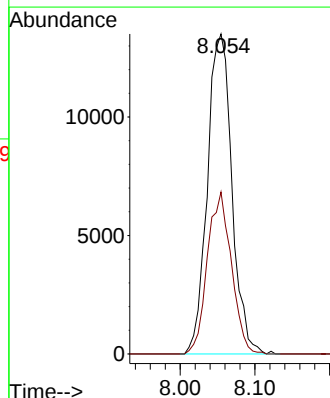
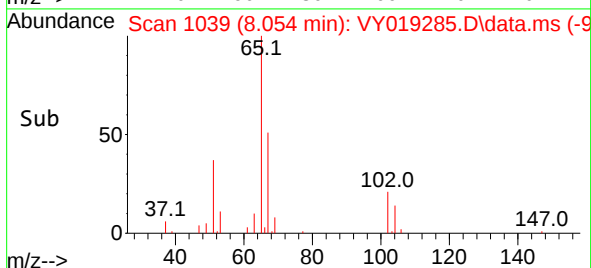
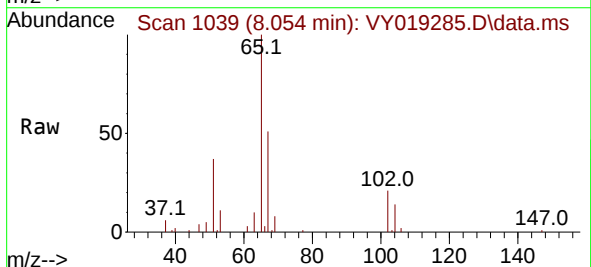


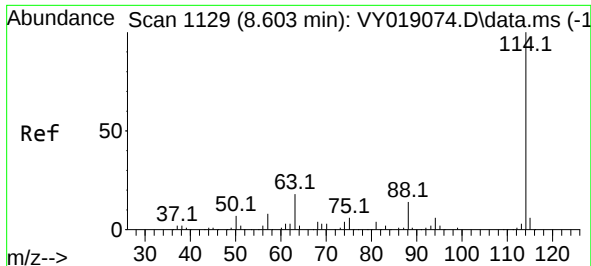
Tgt Ion: 56 Resp: 1250
Ion Ratio Lower Upper
56 100
69 119.8 28.7 43.1#
84 122.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.941 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

Tgt Ion: 65 Resp: 30787
Ion Ratio Lower Upper
65 100
67 49.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

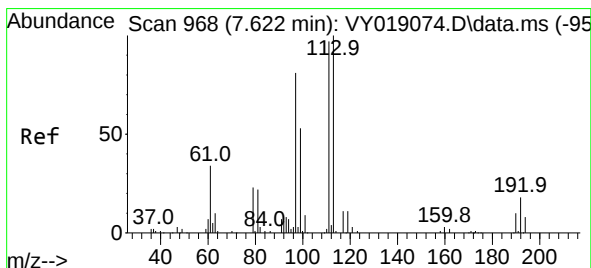
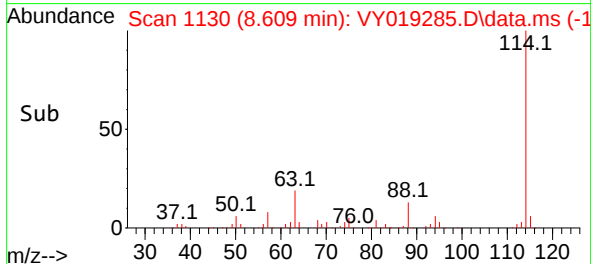
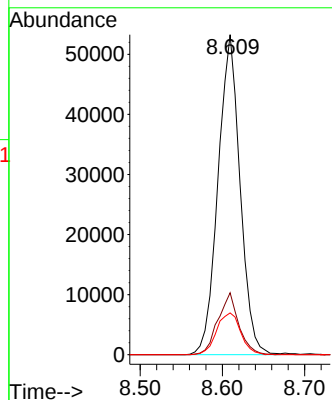
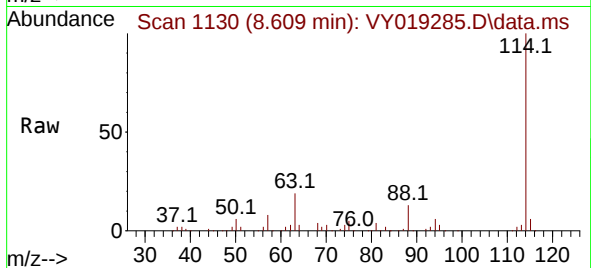
Tgt Ion:114 Resp: 99305

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 13.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.770 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

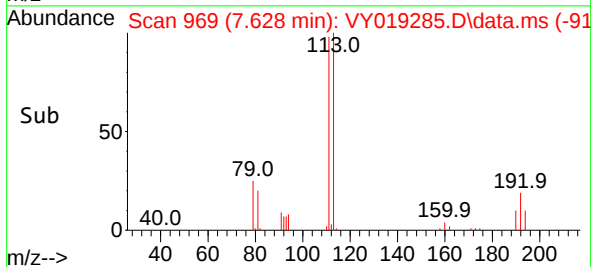
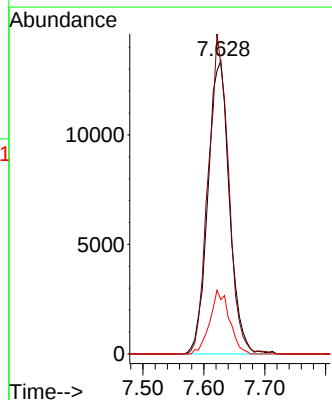
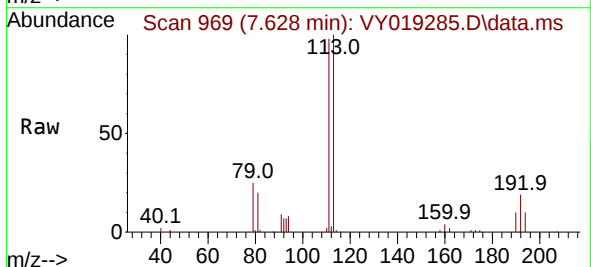
Tgt Ion:113 Resp: 32966

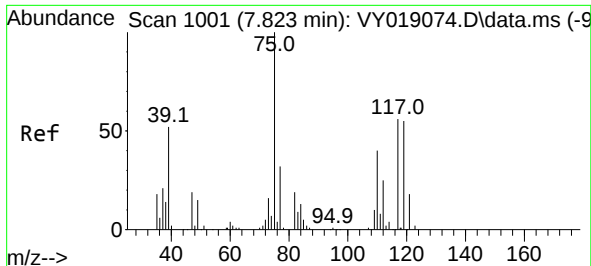
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 19.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.807 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY019285.D

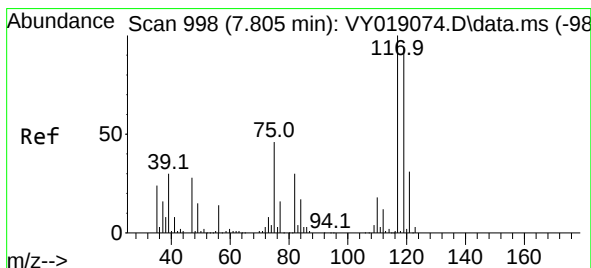
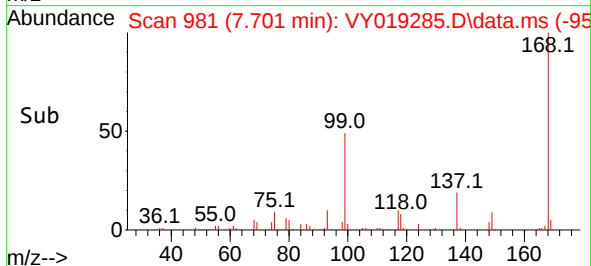
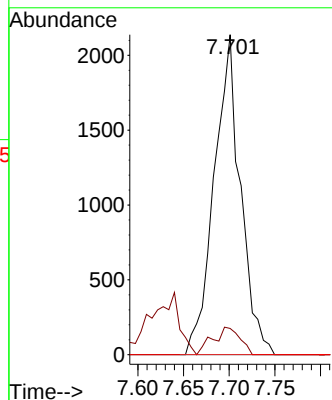
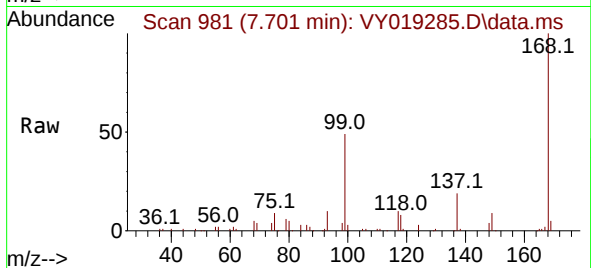
Acq: 27 Aug 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	4286
Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.0	57.0#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.319 ug/l

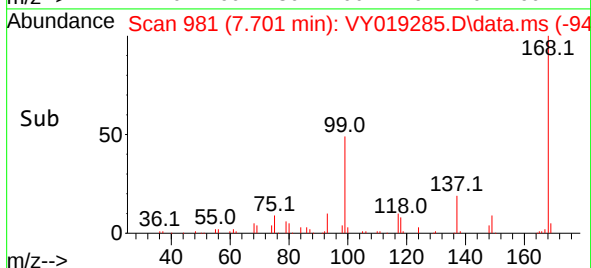
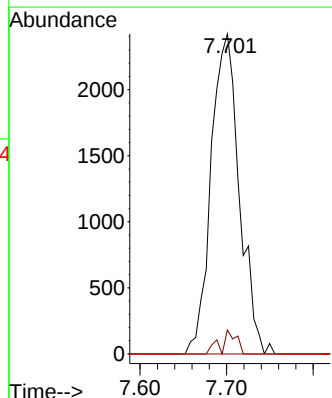
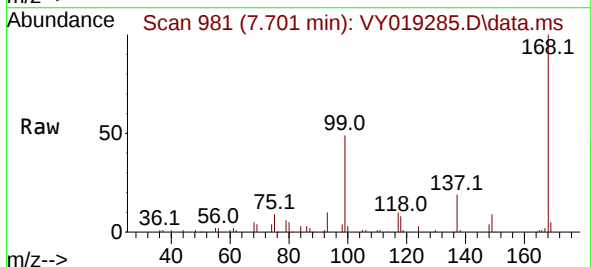
RT: 7.701 min Scan# 981

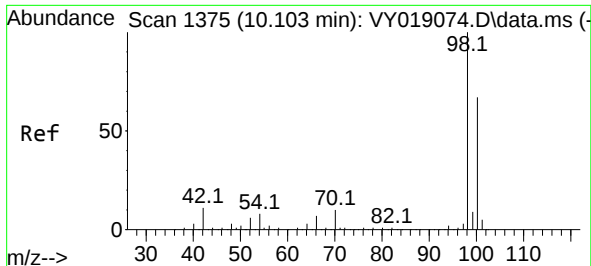
Delta R.T. -0.104 min

Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

Tgt Ion:	117	Resp:	5496
Ion	Ratio	Lower	Upper
117	100		
119	7.5	75.8	113.6#
121	0.0	24.0	36.0#

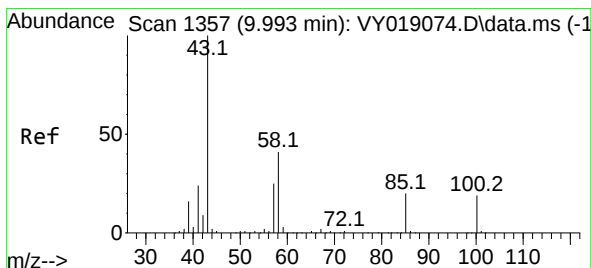
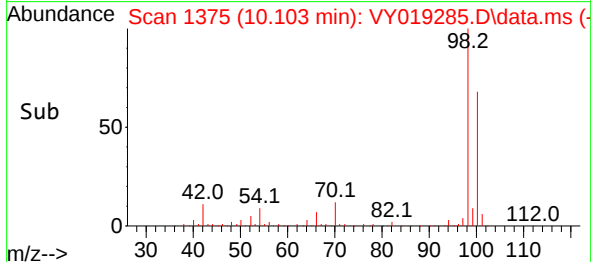
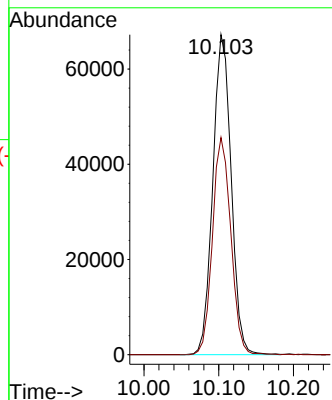
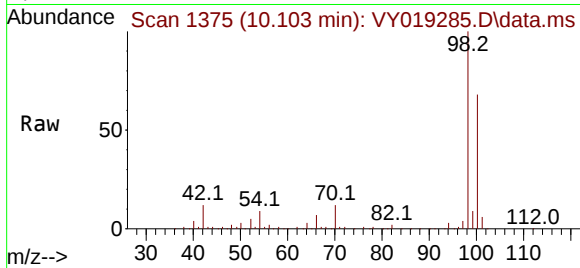




#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

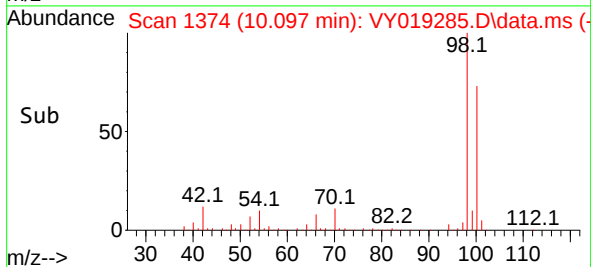
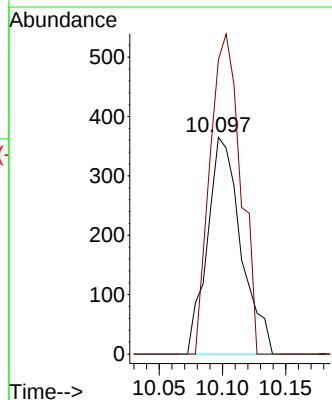
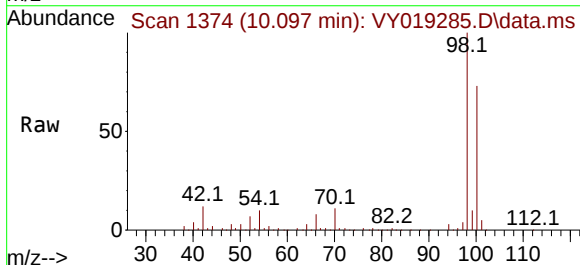
Instrument :
MSVOA_Y
ClientSampleId :

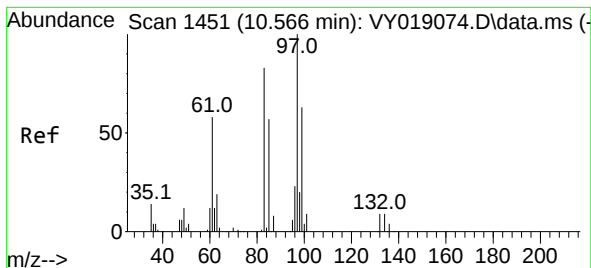
Tgt Ion: 98 Resp: 114817
Ion Ratio Lower Upper
98 100
100 67.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.594 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.104 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

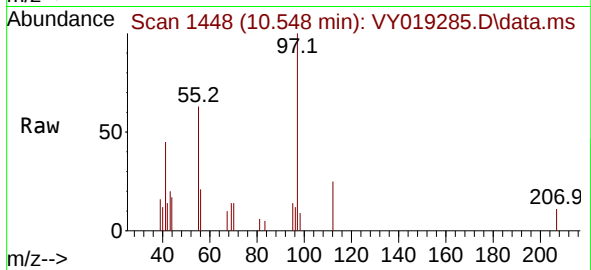
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 134.5 35.7 53.5#



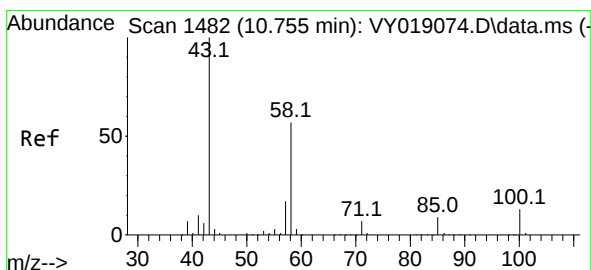
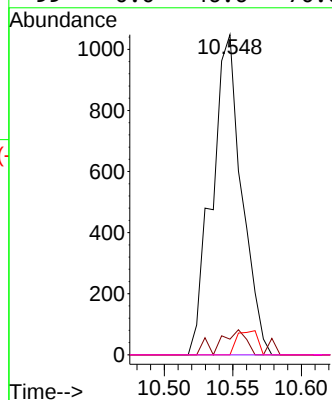
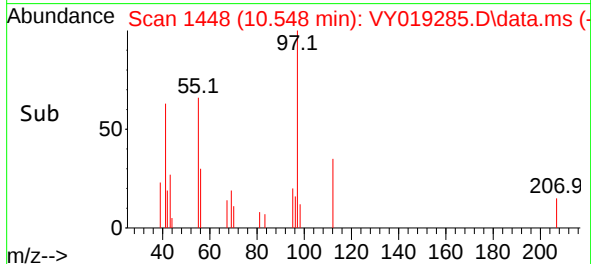


#55
 1,1,2-Trichloroethane
 Concen: 3.118 ug/l
 RT: 10.548 min Scan# 1451
 Delta R.T. -0.018 min
 Lab File: VY019285.D
 Acq: 27 Aug 2024 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :

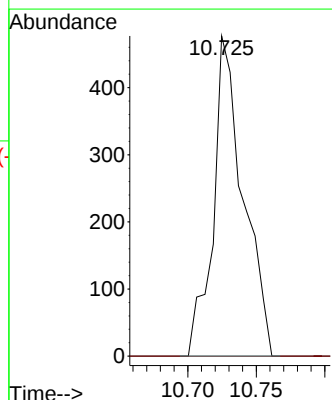
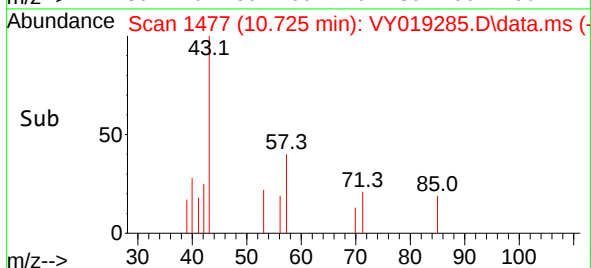
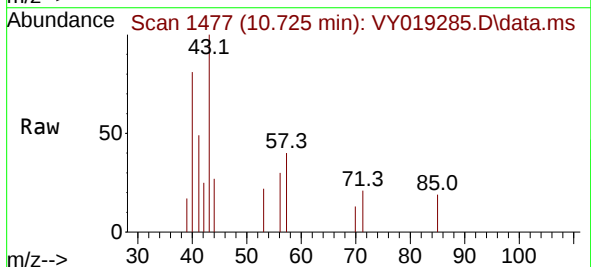


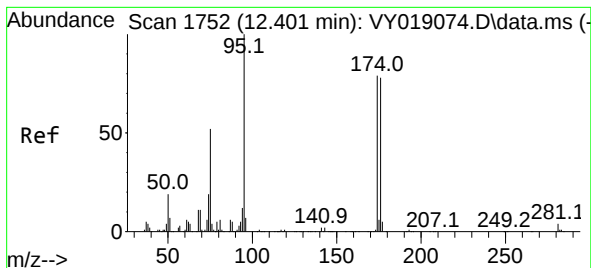
Tgt Ion: 97	Resp: 1586
Ion Ratio	Lower Upper
97 100	
83 4.9	67.5 101.3#
85 0.0	42.9 64.3#
99 0.0	46.6 70.0#



#59
 2-Hexanone
 Concen: 2.485 ug/l
 RT: 10.725 min Scan# 1477
 Delta R.T. -0.030 min
 Lab File: VY019285.D
 Acq: 27 Aug 2024 14:46

Tgt Ion: 43	Resp: 724		
Ion Ratio	Lower	Upper	
43 100			
58 0.0	31.4	94.0#	

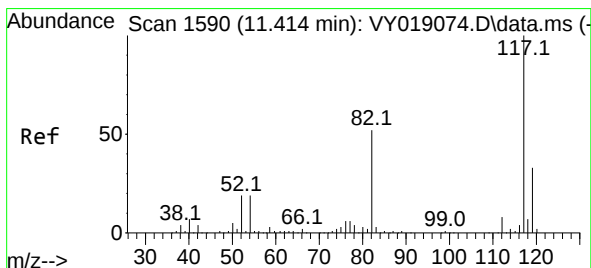
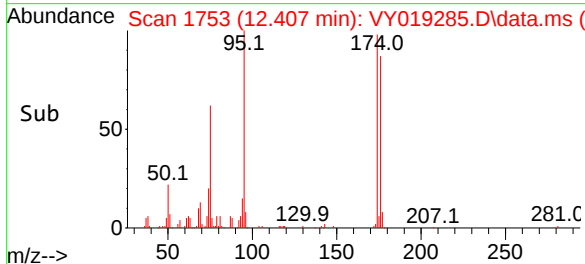
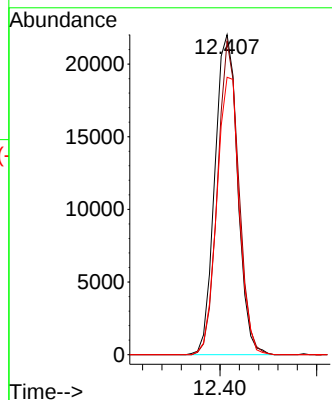
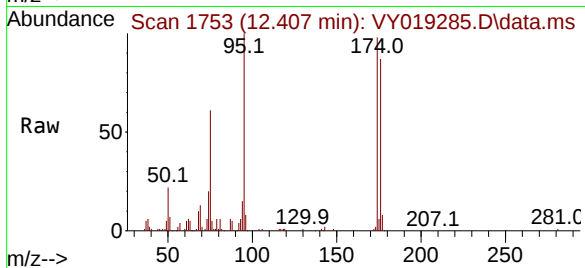




#62
4-Bromofluorobenzene
Concen: 45.131 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

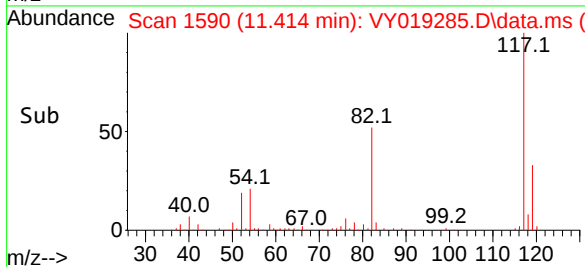
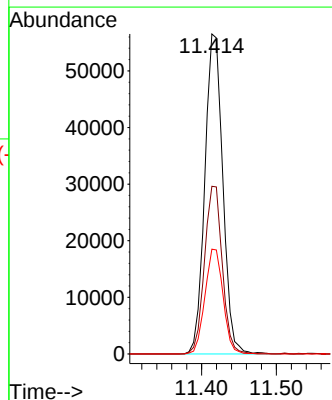
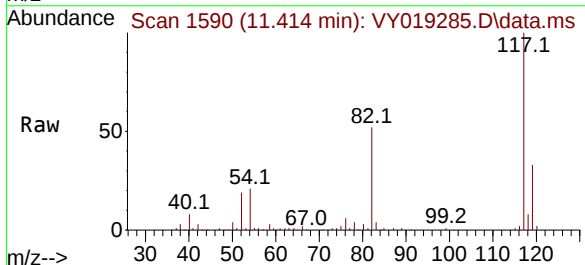
Instrument :
MSVOA_Y
ClientSampleId :

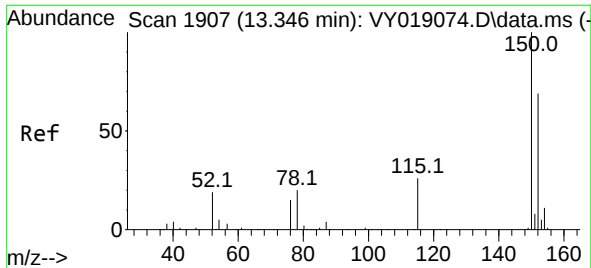
Tgt Ion: 95 Resp: 35950
Ion Ratio Lower Upper
95 100
174 90.8 0.0 175.6
176 85.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

Tgt Ion: 117 Resp: 94473
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 32.8 25.9 38.9

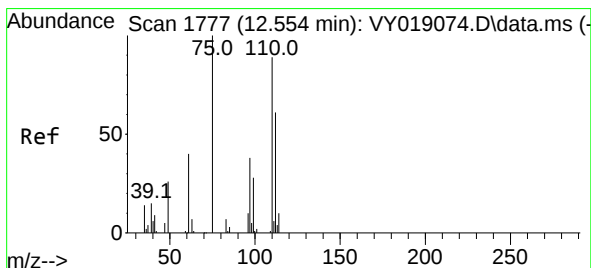
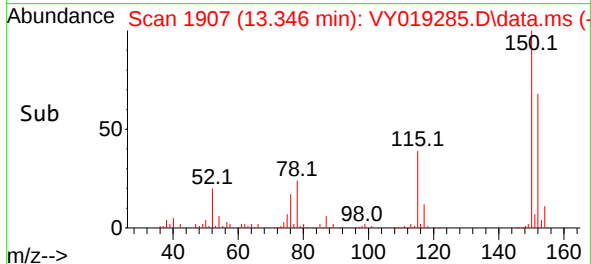
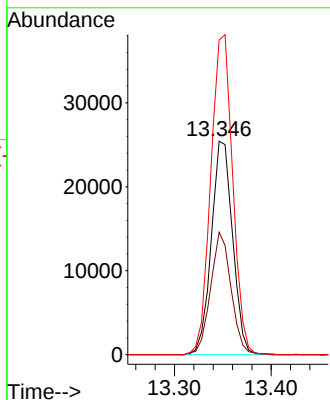
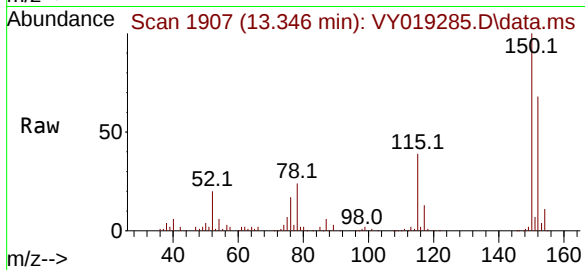




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019285.D
 Acq: 27 Aug 2024 14:46

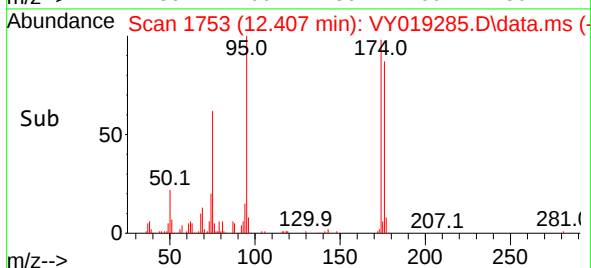
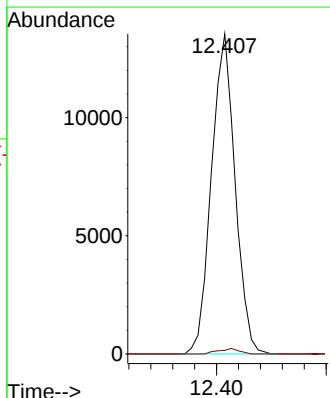
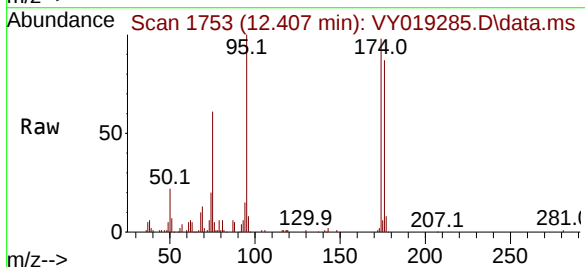
Instrument :
 MSVOA_Y
 ClientSampleId :

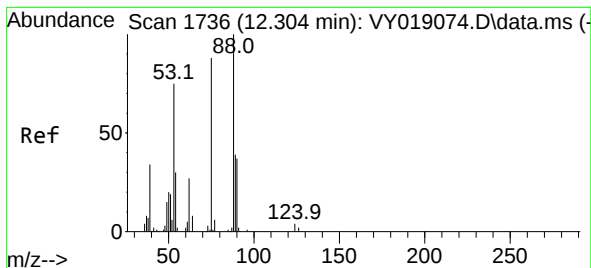
Tgt Ion:152 Resp: 38912
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.2 84.7
 150 154.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 52.804 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY019285.D
 Acq: 27 Aug 2024 14:46

Tgt Ion: 75 Resp: 20263
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

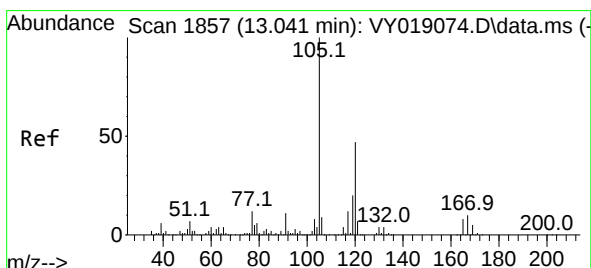
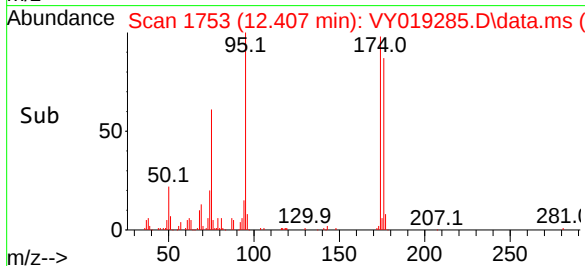
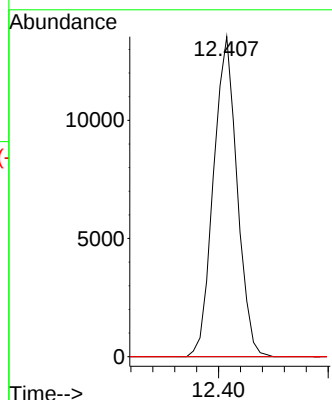
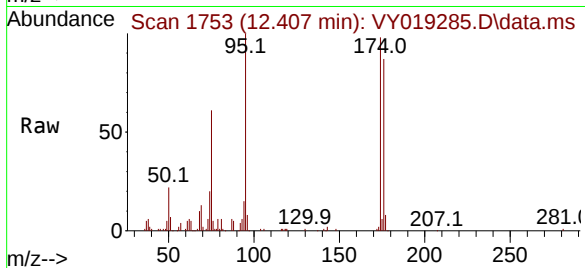




#81
trans-1,4-Dichloro-2-butene
Concen: 130.407 ug/l
RT: 12.407 min Scan# 1736
Delta R.T. 0.104 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

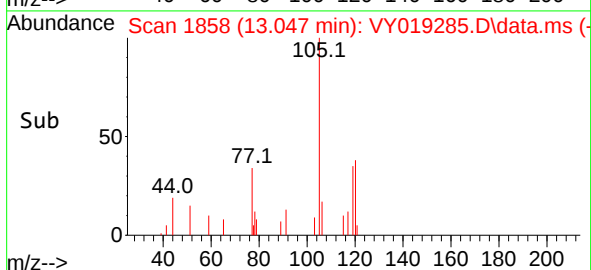
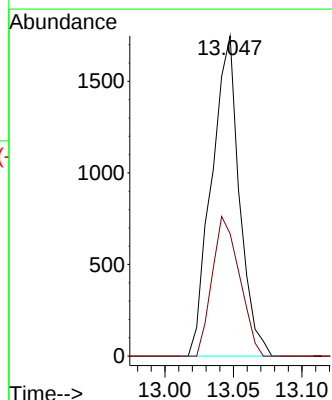
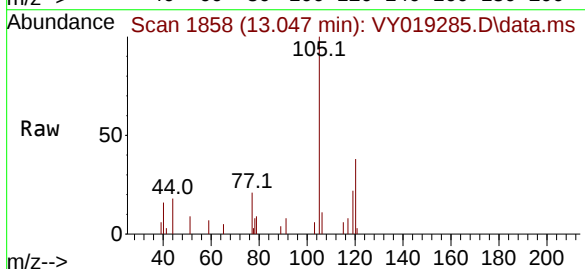
Instrument :
MSVOA_Y
ClientSampleId :

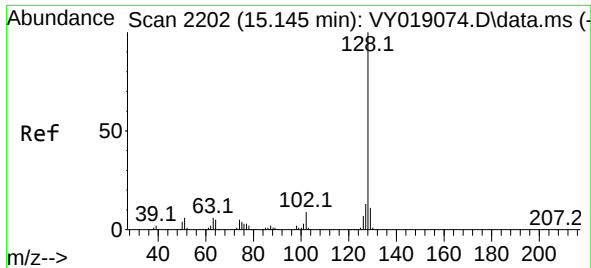
Tgt Ion: 75 Resp: 20263
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.018 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY019285.D
Acq: 27 Aug 2024 14:46

Tgt Ion: 105 Resp: 2466
Ion Ratio Lower Upper
105 100
120 42.9 23.2 69.6





#95

Naphthalene

Concen: 70.200 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

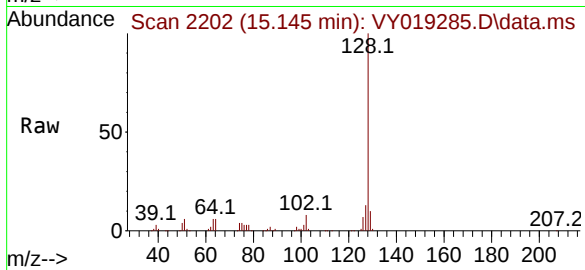
Lab File: VY019285.D

Acq: 27 Aug 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 87776

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.3 8.6 13.0

