

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091724\
 Data File : VY019585.D
 Acq On : 17 Sep 2024 15:01
 Operator : SY/MD
 Sample : P4015-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 18 01:33:03 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)

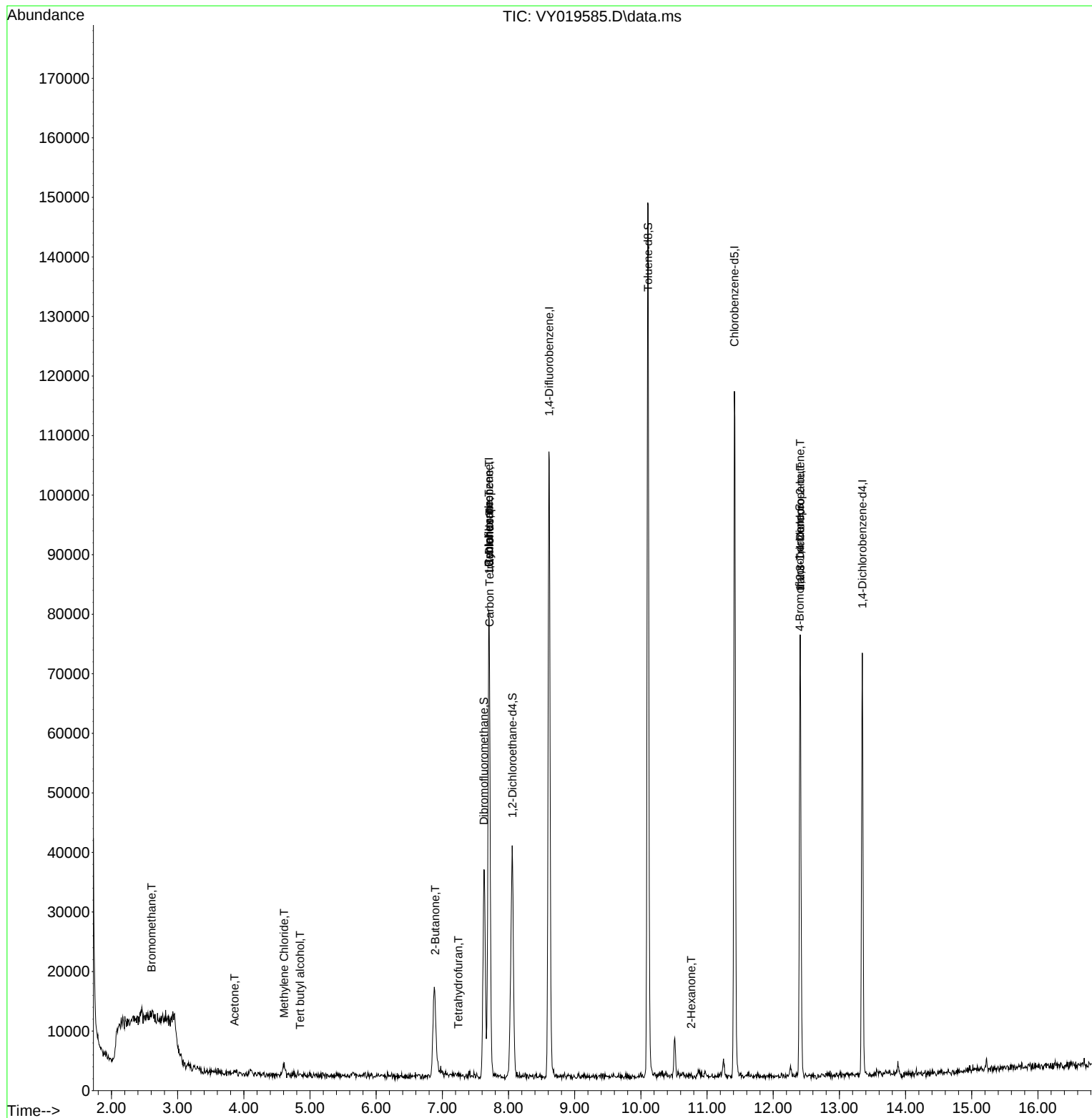
Internal Standards						
1) Pentafluorobenzene	7.701	168	59378	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	89978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	61102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	17212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	23922	43.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.020%
35) Dibromofluoromethane	7.628	113	24408	47.844	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.680%
50) Toluene-d8	10.109	98	97899	51.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.760%
62) 4-Bromofluorobenzene	12.402	95	23069	31.795	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	25	Below Cal	#	43
5) Bromomethane	2.605	94	424	1.299	ug/l	84
11) Tert butyl alcohol	4.848	59	169	3.806	ug/l	# 88
13) Acrolein	3.647	56	45	Below Cal	#	1
16) Acetone	3.860	43	1219	9.306	ug/l	95
20) Methylene Chloride	4.610	84	1088	1.821	ug/l	# 71
25) 2-Butanone	6.890	43	984	5.282	ug/l	# 41
29) Tetrahydrofuran	7.244	42	132	1.165	ug/l	# 26
31) Cyclohexane	7.701	56	1696	1.724	ug/l	# 41
36) 1,1-Dichloropropene	7.707	75	5204	7.497	ug/l	# 48
38) Carbon Tetrachloride	7.713	117	6047	7.725	ug/l	# 17
59) 2-Hexanone	10.762	43	316	1.147	ug/l	# 19
76) 1,2,3-Trichloropropane	12.408	75	12461	77.241	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	12461	148.280	ug/l	# 16

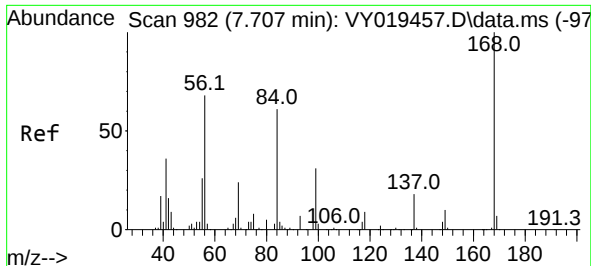
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 18 01:33:03 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

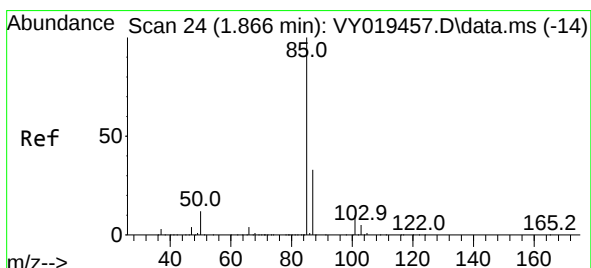
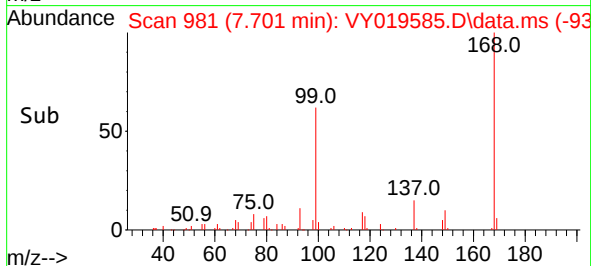
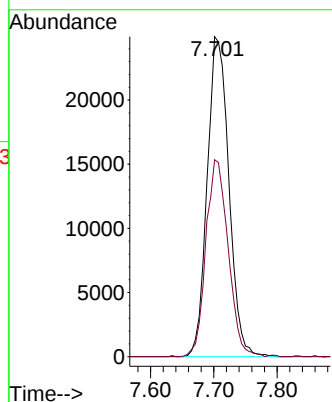
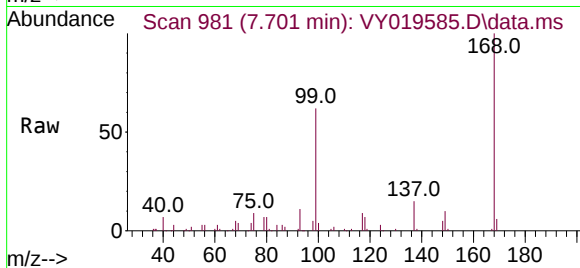




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

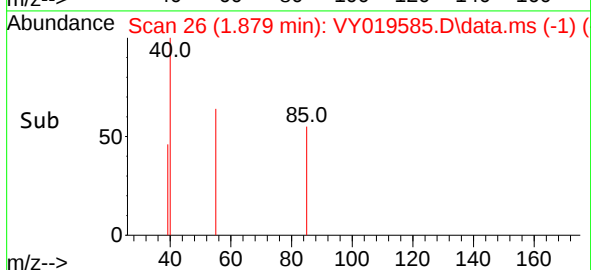
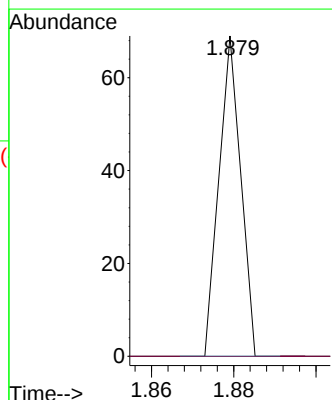
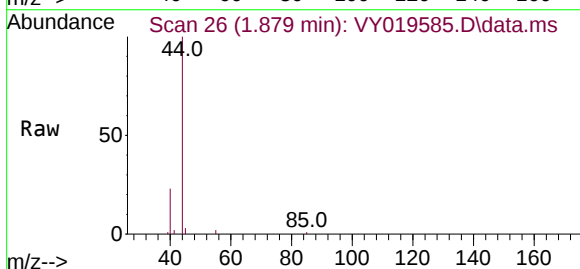
Instrument :
MSVOA_Y
ClientSampleId :

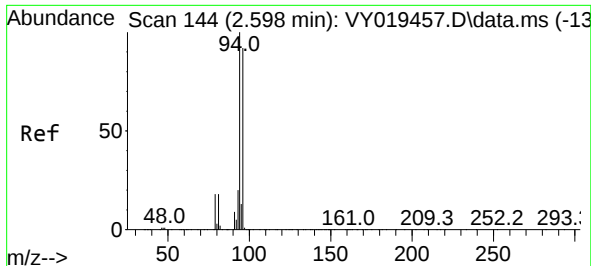
Tgt Ion:168 Resp: 59378
Ion Ratio Lower Upper
168 100
99 61.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.879 min Scan# 26
Delta R.T. 0.013 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

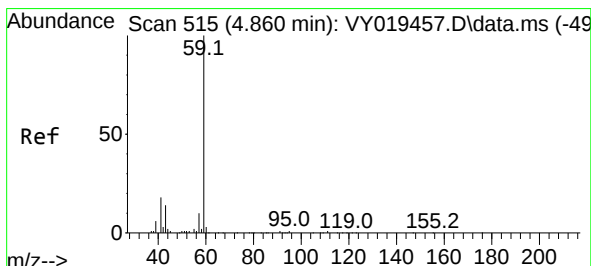
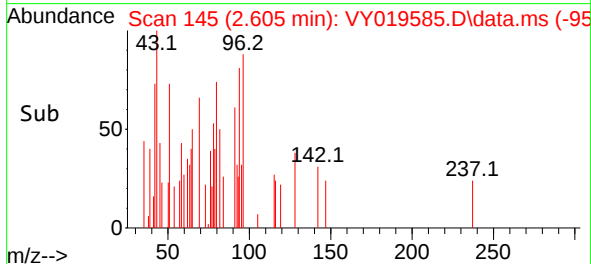
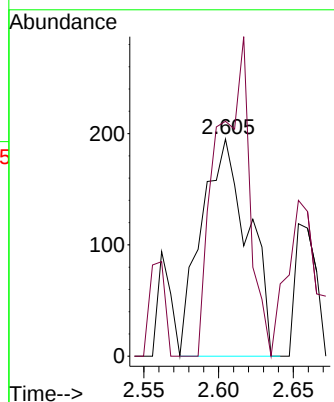
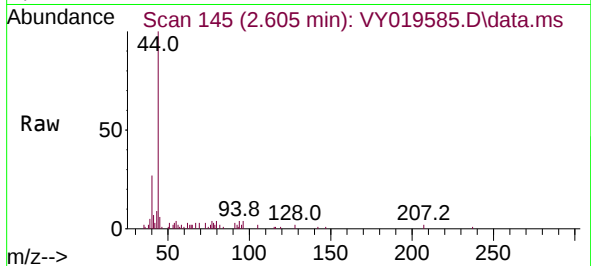




#5
Bromomethane
Concen: 1.299 ug/l
RT: 2.605 min Scan# 144
Delta R.T. 0.007 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

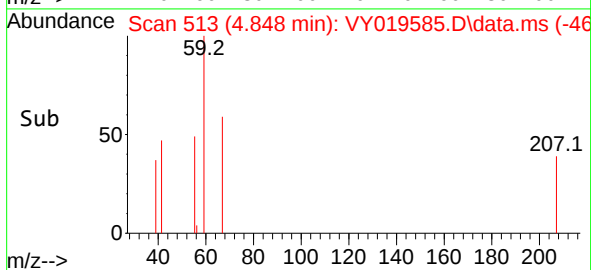
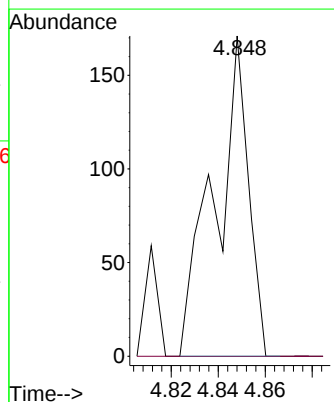
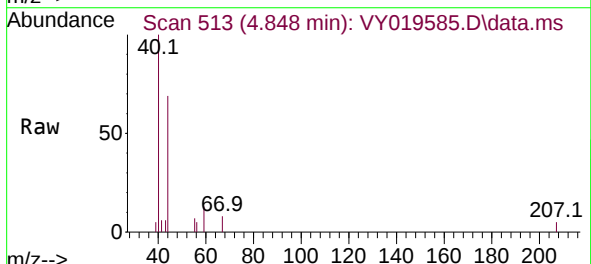
Instrument :
MSVOA_Y
ClientSampleId :

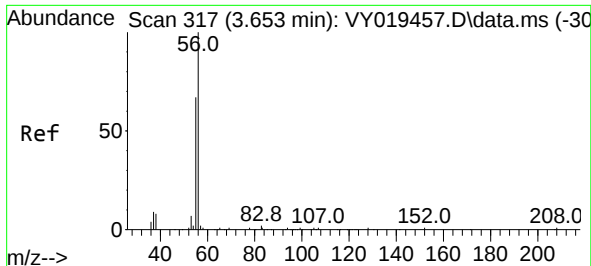
Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 108.2 74.1 111.1



#11
Tert butyl alcohol
Concen: 3.806 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

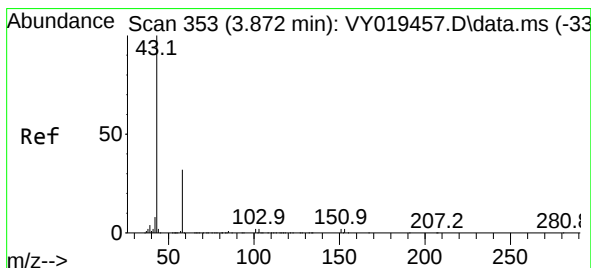
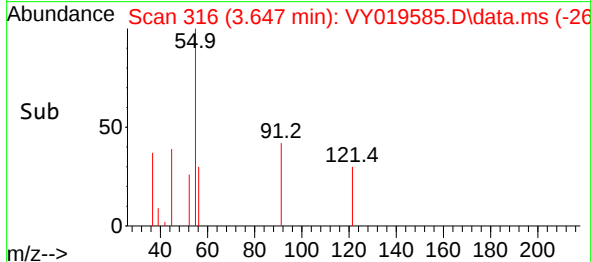
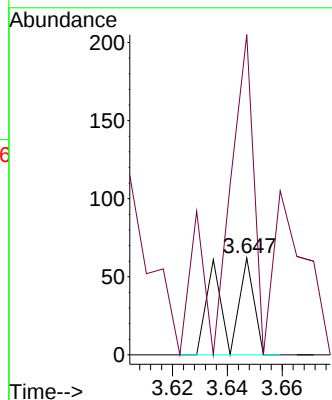
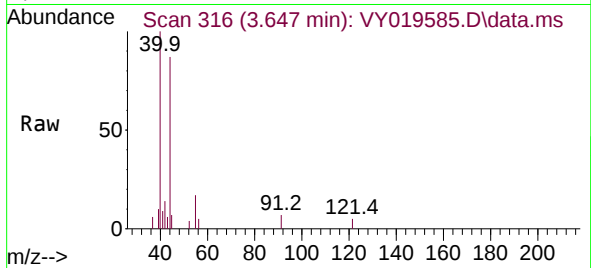




#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

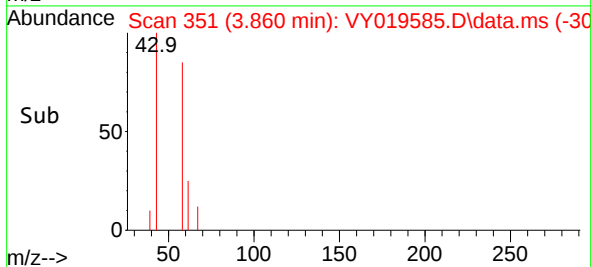
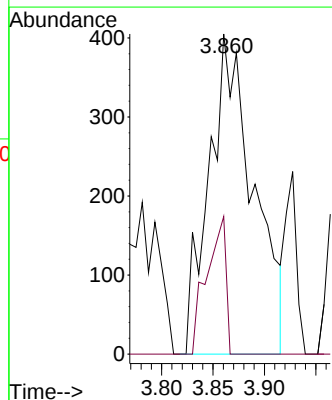
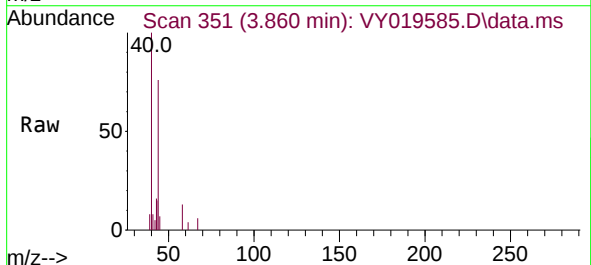
Instrument :
MSVOA_Y
ClientSampleId :

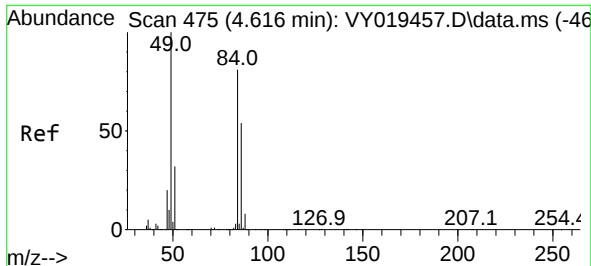
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 515.6 55.7 83.5#



#16
Acetone
Concen: 9.306 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

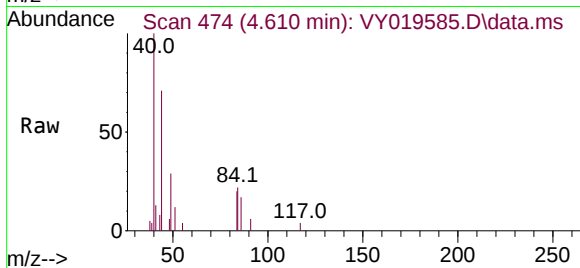
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 43.0 31.7 47.5



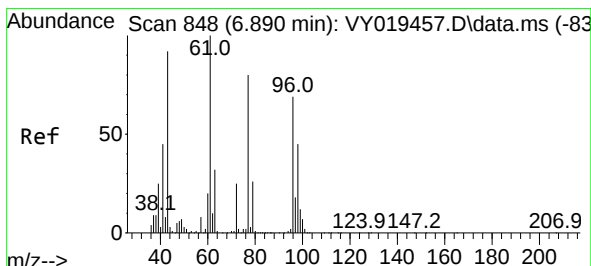
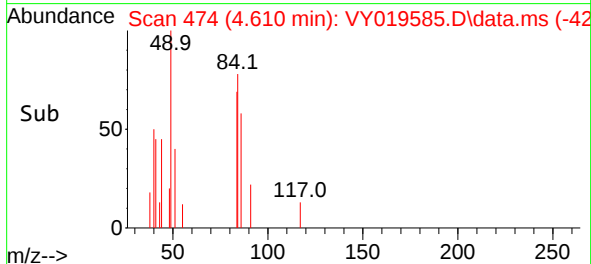
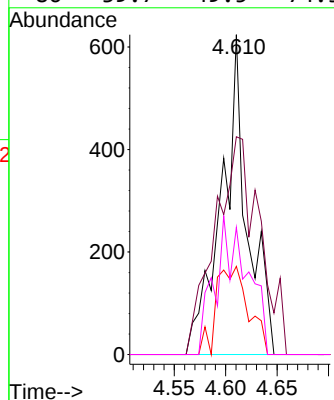


#20
Methylene Chloride
Concen: 1.821 ug/l
RT: 4.610 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

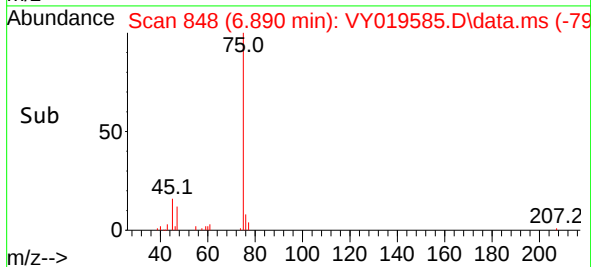
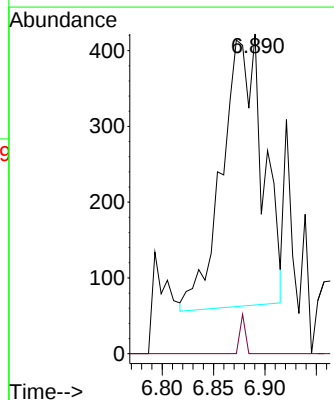
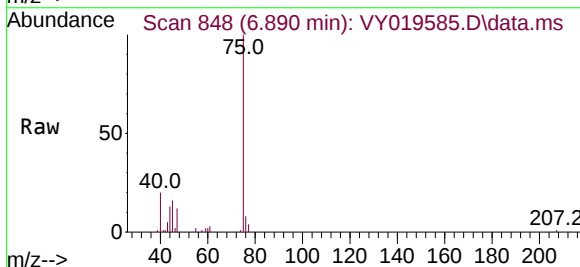


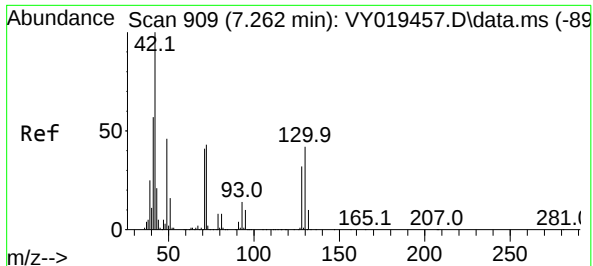
Tgt Ion:	84	Resp:	1088
Ion	Ratio	Lower	Upper
84	100		
49	68.1	84.4	126.6#
51	27.6	26.0	39.0
86	39.7	49.5	74.3#



#25
2-Butanone
Concen: 5.282 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Tgt Ion:	43	Resp:	984
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 1.165 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.018 min

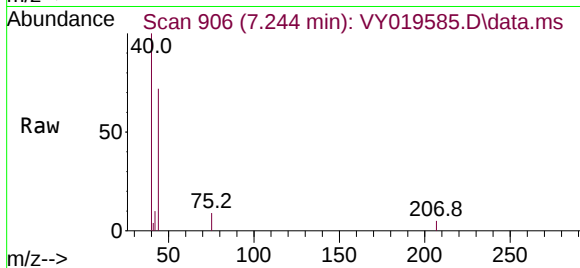
Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

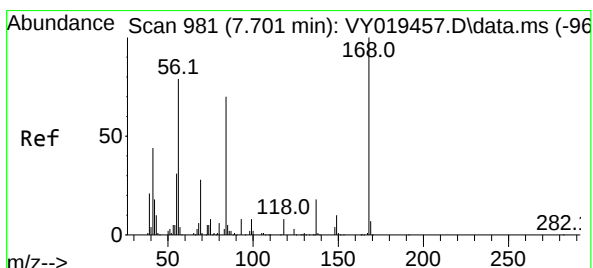
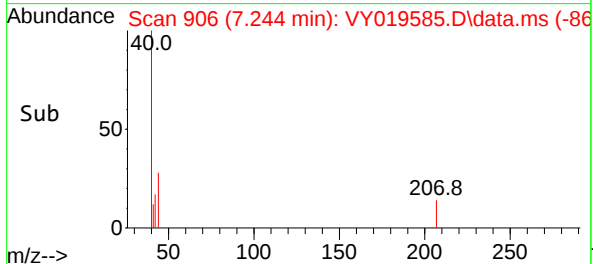
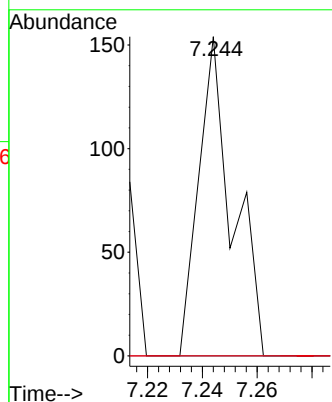
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	132
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 1.724 ug/l

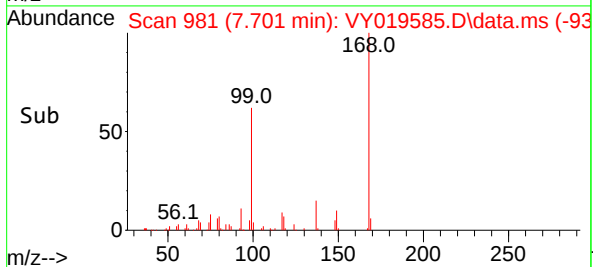
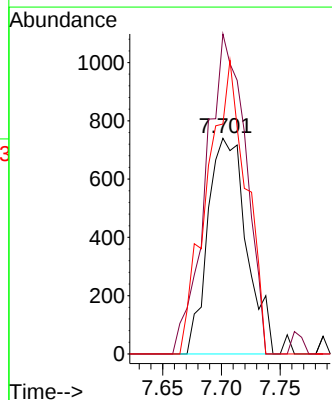
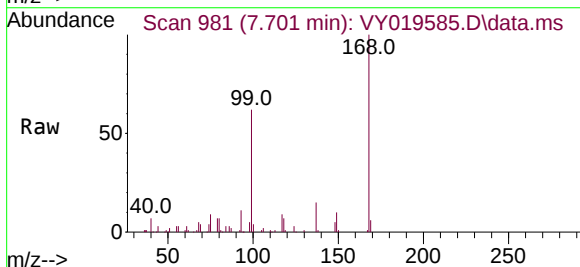
RT: 7.701 min Scan# 981

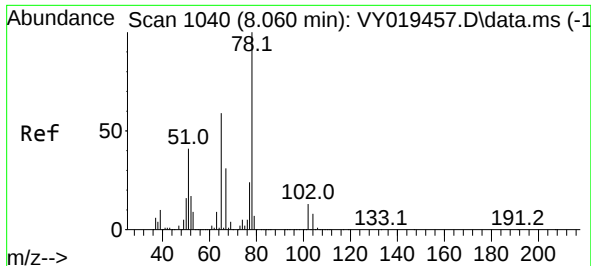
Delta R.T. 0.000 min

Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

Tgt Ion:	56	Resp:	1696
Ion	Ratio	Lower	Upper
56	100		
69	148.4	28.7	43.1#
84	106.6	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 43.508 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

Instrument :

MSVOA_Y

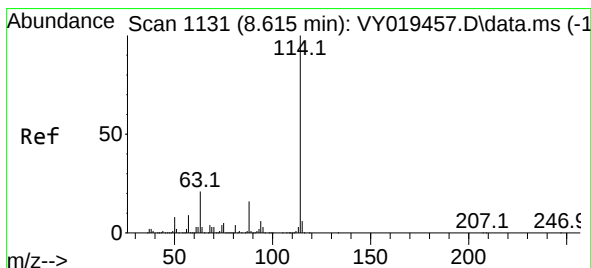
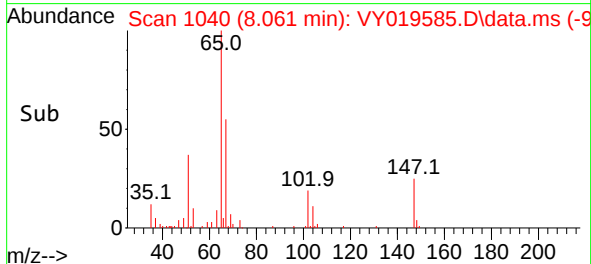
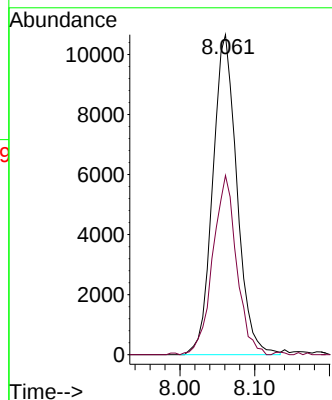
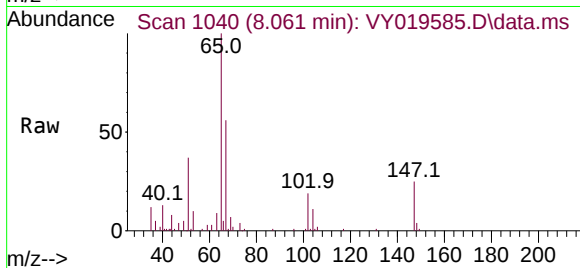
ClientSampleId :

Tgt Ion: 65 Resp: 23922

Ion Ratio Lower Upper

65 100

67 55.2 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: VY019585.D

Acq: 17 Sep 2024 15:01

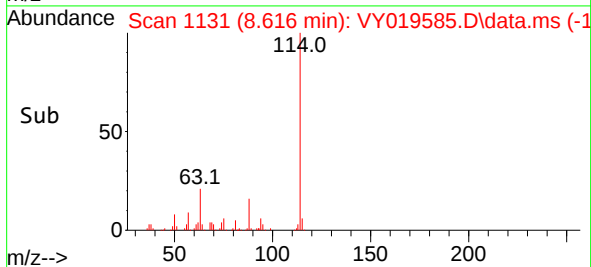
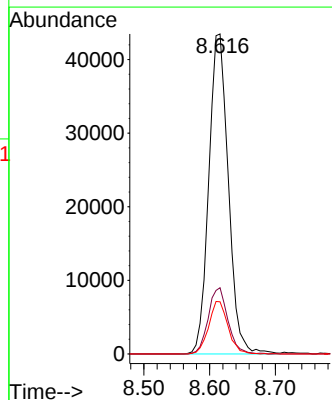
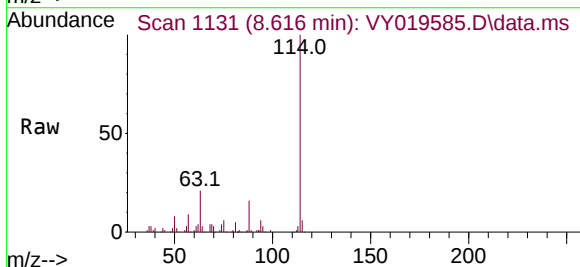
Tgt Ion: 114 Resp: 89978

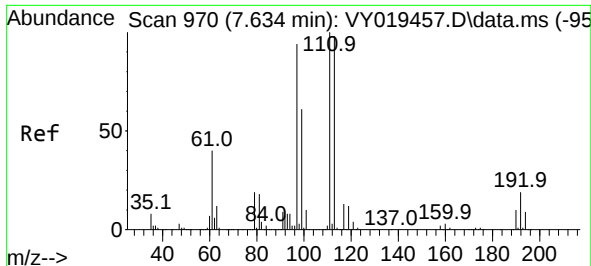
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

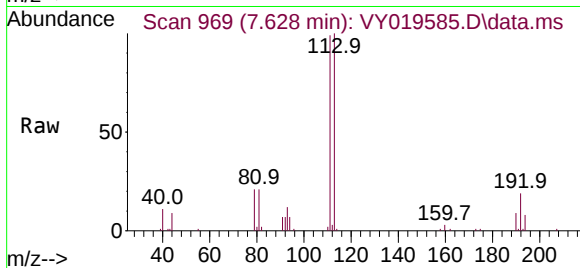
88 16.3 0.0 27.2



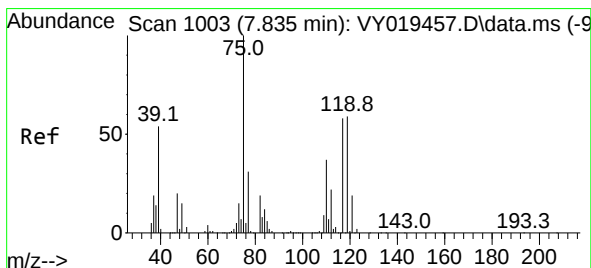
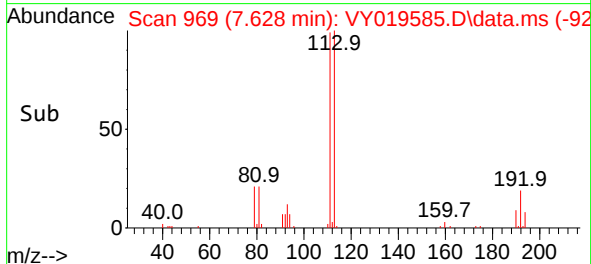
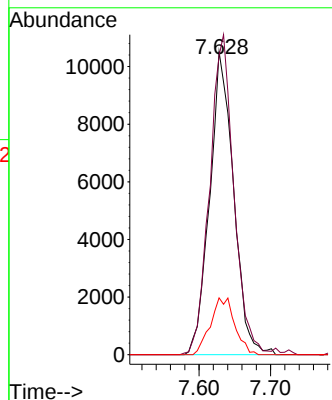


#35
Dibromofluoromethane
Concen: 47.844 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

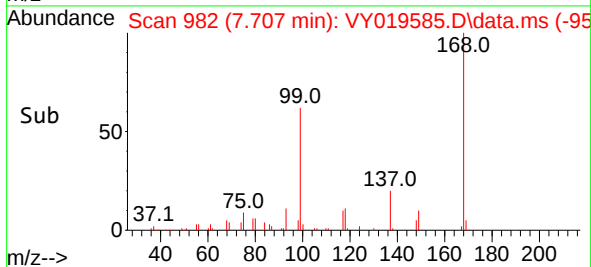
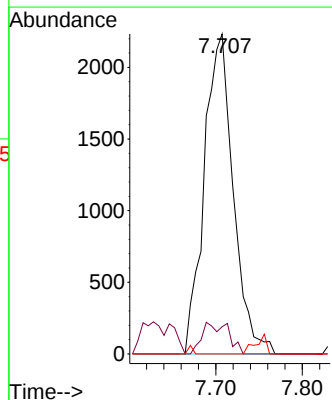
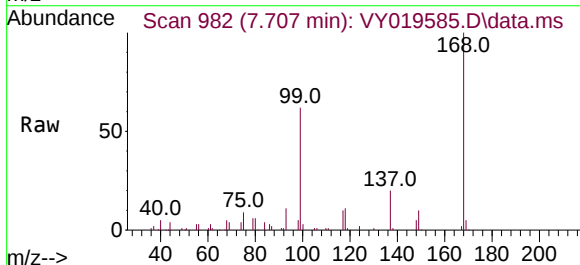


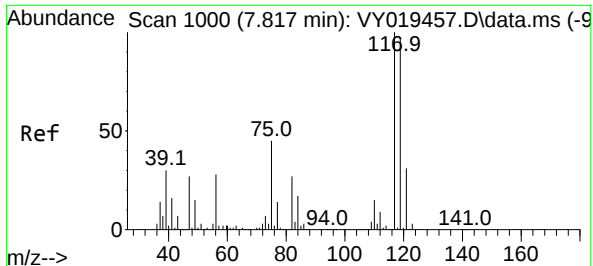
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.7	82.2	123.4
192	19.1	15.9	23.9



#36
1,1-Dichloropropene
Concen: 7.497 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

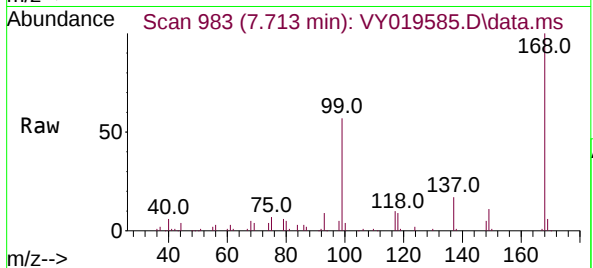
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.0	57.0#
77	0.0	25.3	37.9#



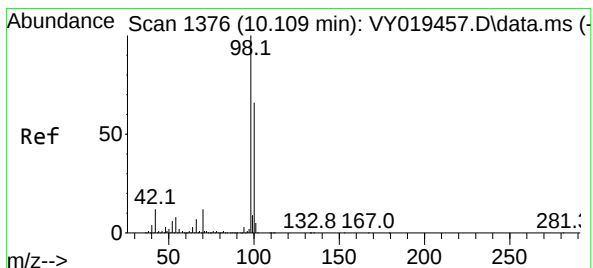
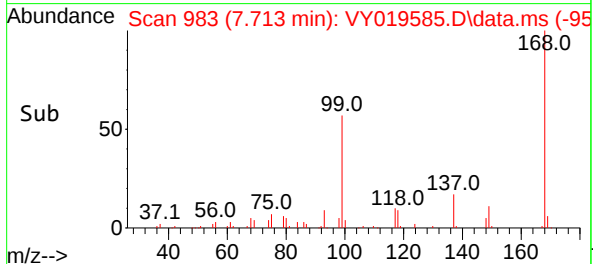
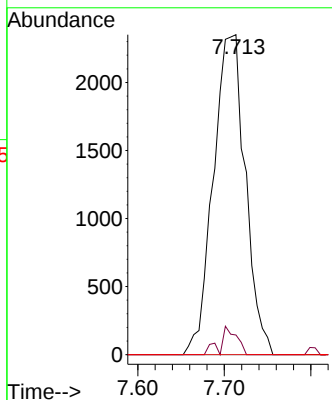


#38
Carbon Tetrachloride
Concen: 7.725 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Instrument :
MSVOA_Y
ClientSampleId :

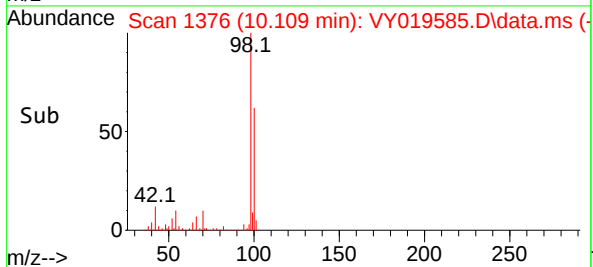
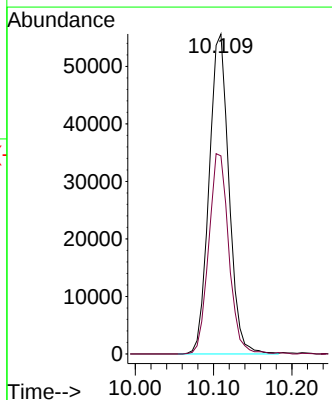
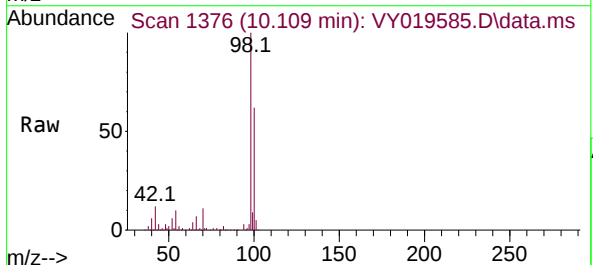


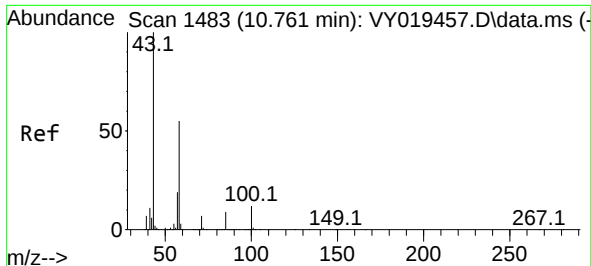
Tgt Ion:117 Resp: 6047
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Tgt Ion: 98 Resp: 97899
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

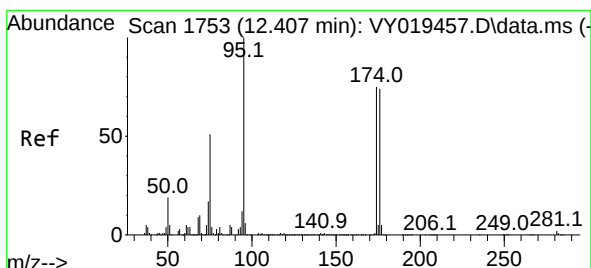
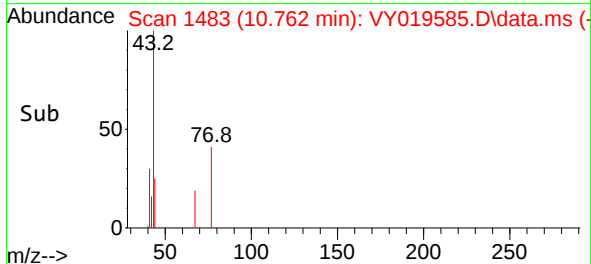
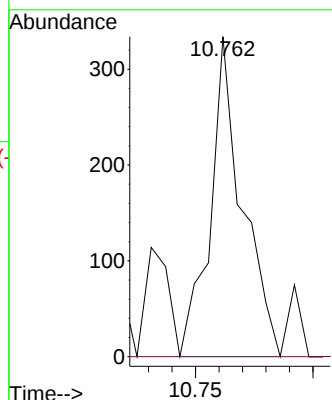
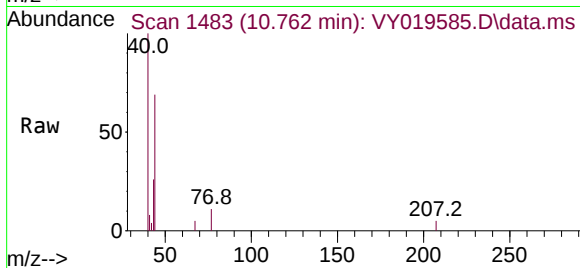




#59
2-Hexanone
Concen: 1.147 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

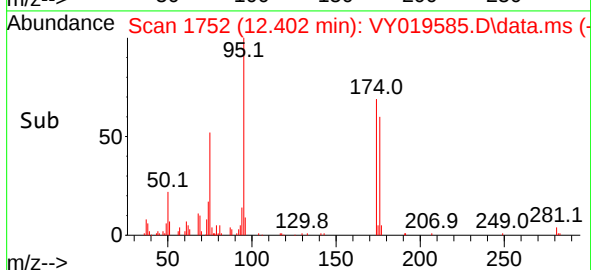
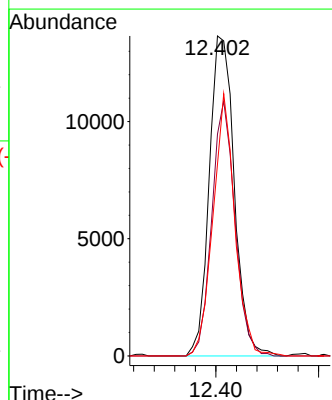
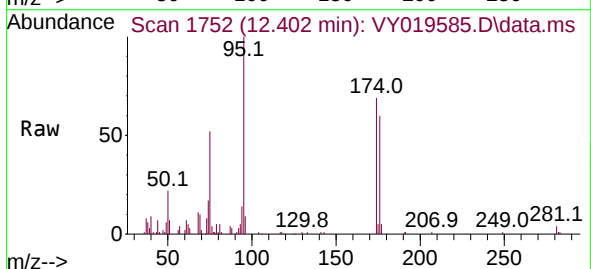
Instrument :
MSVOA_Y
ClientSampleId :

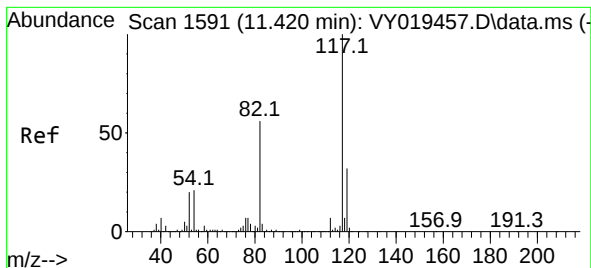
Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 31.795 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019585.D
Acq: 17 Sep 2024 15:01

Tgt Ion: 95 Resp: 23069
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 71.7 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: VY019585.D

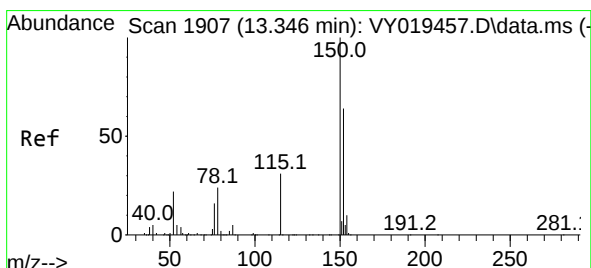
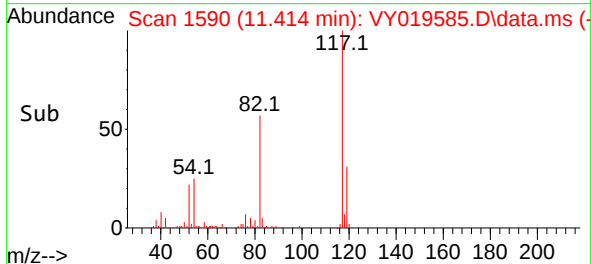
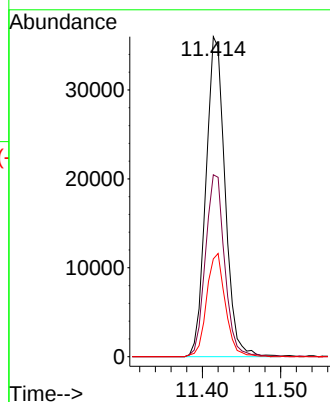
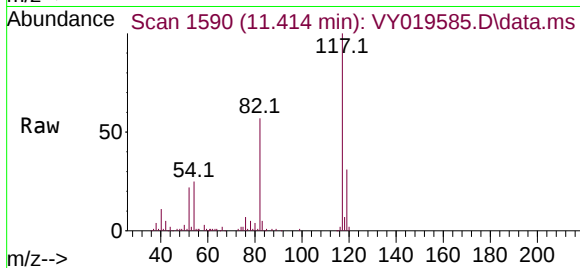
Acq: 17 Sep 2024 15:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	61102
Ion	Ratio	Lower Upper
117	100	
82	56.9	42.4 63.6
119	30.5	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

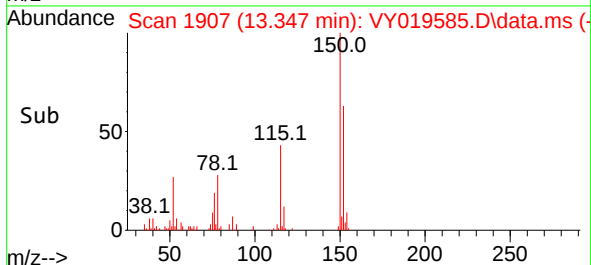
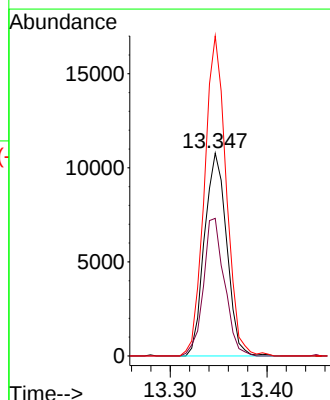
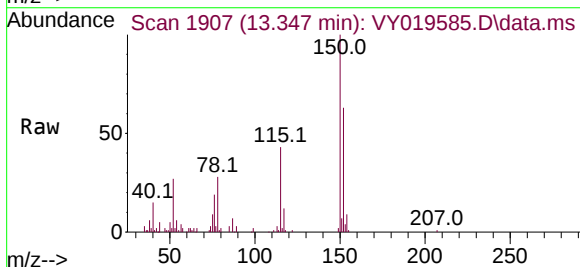
RT: 13.347 min Scan# 1907

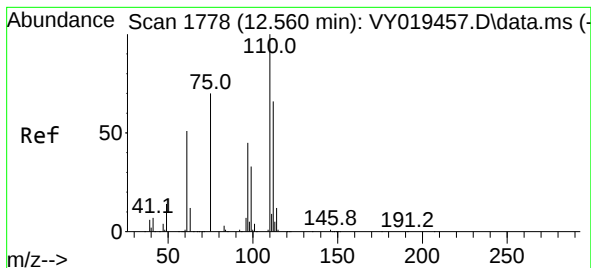
Delta R.T. 0.000 min

Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

Tgt Ion:152	Resp:	17212
Ion	Ratio	Lower Upper
152	100	
115	64.4	28.2 84.7
150	154.6	0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 77.241 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

Instrument :

MSVOA_Y

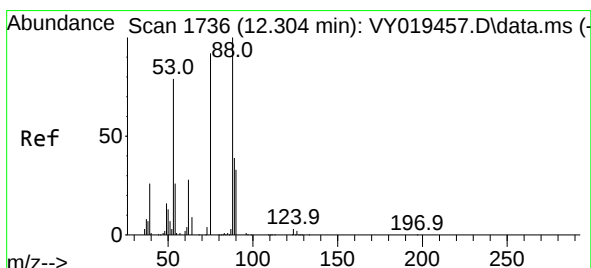
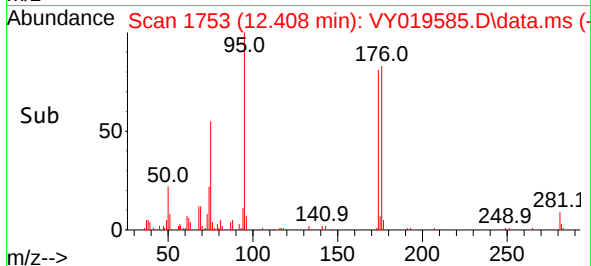
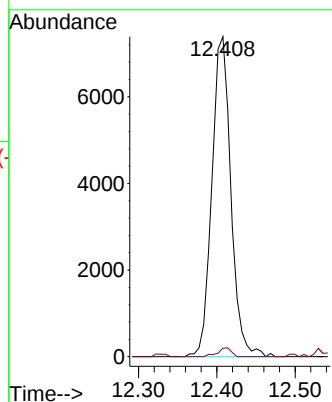
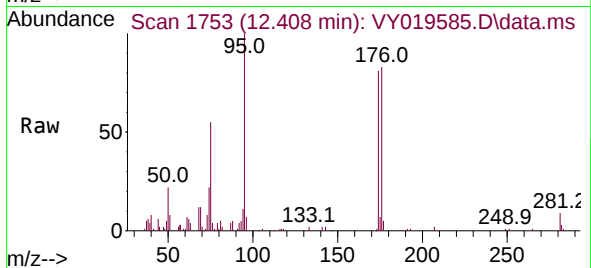
ClientSampleId :

Tgt Ion: 75 Resp: 12461

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.280 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019585.D

Acq: 17 Sep 2024 15:01

Tgt Ion: 75 Resp: 12461

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

