

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019613.D
 Acq On : 18 Sep 2024 18:05
 Operator : SY/MD
 Sample : P4085-03
 Misc : 4.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:27:18 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)

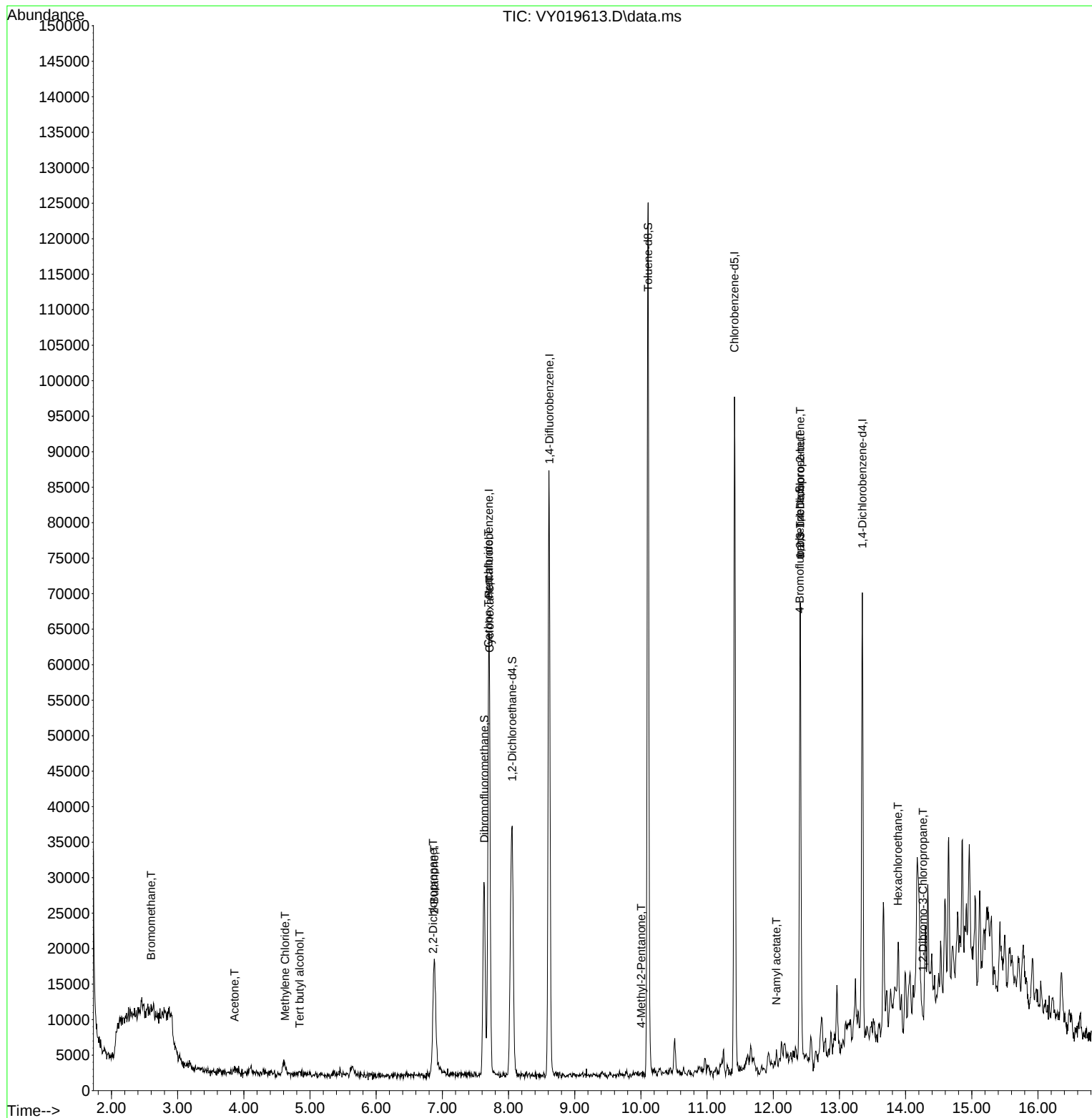
Internal Standards						
1) Pentafluorobenzene	7.701	168	47442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	72054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	49097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	14612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	19771	45.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.020%
35) Dibromofluoromethane	7.634	113	20630	50.498	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.109	98	77713	51.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.401	95	18948	32.612	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	65.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.117	85	20	Below Cal	#	43
5) Bromomethane	2.598	94	353	1.354	ug/l #	47
11) Tert butyl alcohol	4.842	59	407	11.472	ug/l #	88
13) Acrolein	3.647	56	54	Below Cal	#	1
16) Acetone	3.860	43	807	7.711	ug/l #	79
20) Methylene Chloride	4.622	84	1260	2.640	ug/l #	93
25) 2-Butanone	6.878	43	850	5.710	ug/l #	41
26) 2,2-Dichloropropane	6.860	77	1678	2.139	ug/l #	54
31) Cyclohexane	7.713	56	1225	1.558	ug/l #	47
38) Carbon Tetrachloride	7.695	117	4896	7.810	ug/l #	13
51) 4-Methyl-2-Pentanone	10.006	43	419	1.392	ug/l #	57
74) N-amyl acetate	12.048	43	670	2.324	ug/l #	57
76) 1,2,3-Trichloropropane	12.408	75	11003	80.339	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	11003	154.228	ug/l #	16
90) Hexachloroethane	13.883	117	354	1.835	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.261	75	58	1.850	ug/l #	1

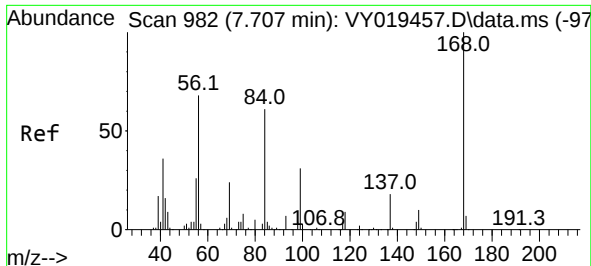
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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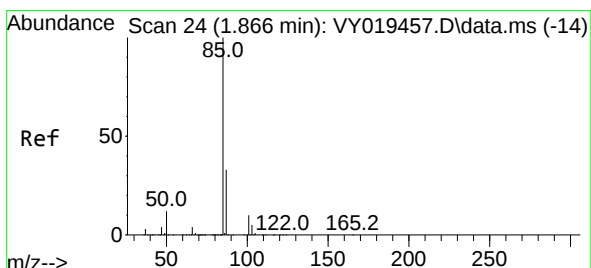
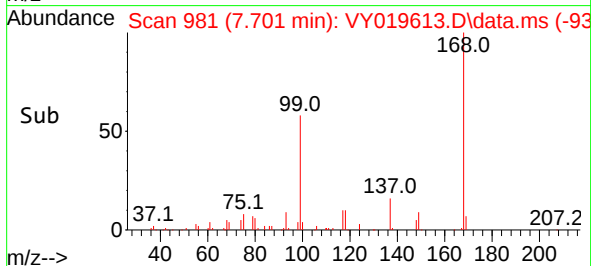
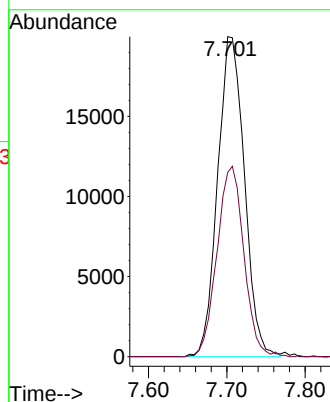
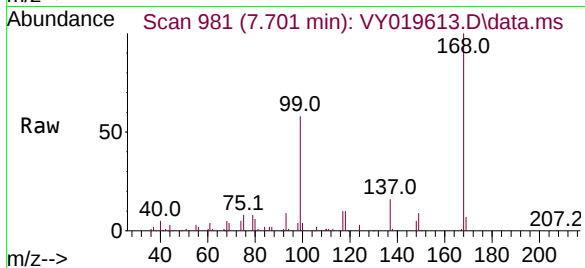




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

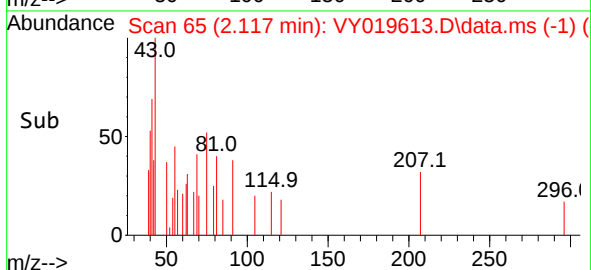
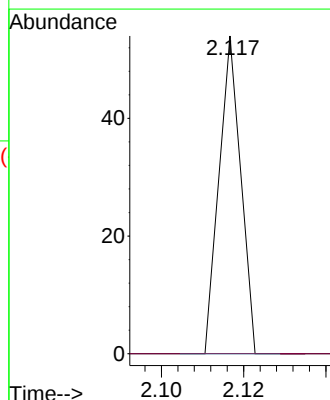
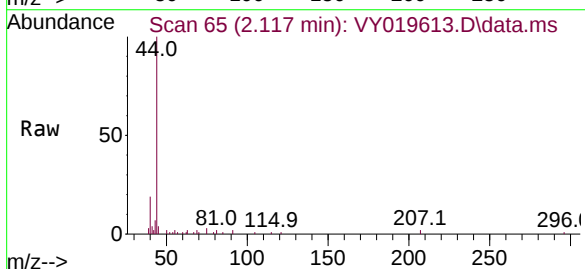
Instrument :
MSVOA_Y
ClientSampleId :

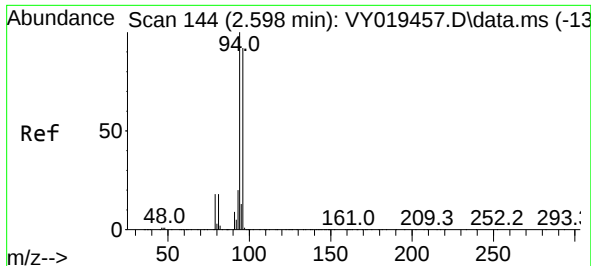
Tgt Ion:168 Resp: 47442
Ion Ratio Lower Upper
168 100
99 57.6 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.117 min Scan# 65
Delta R.T. 0.251 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

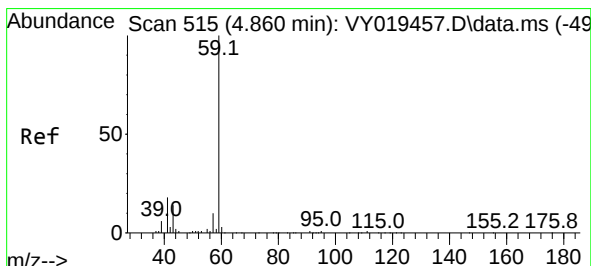
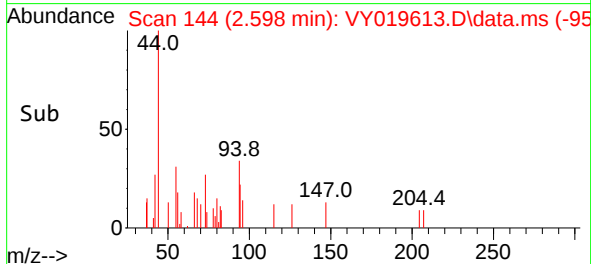
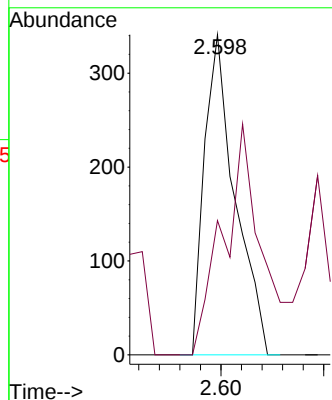
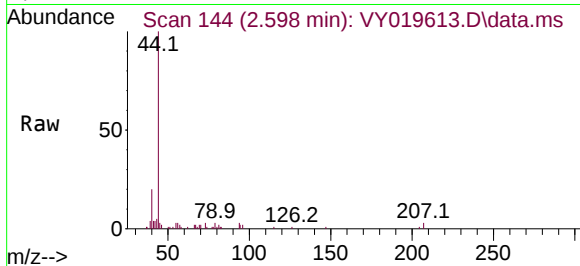




#5
Bromomethane
Concen: 1.354 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

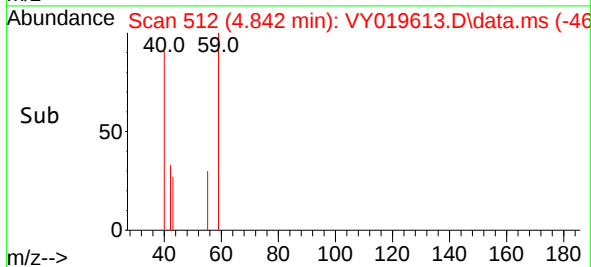
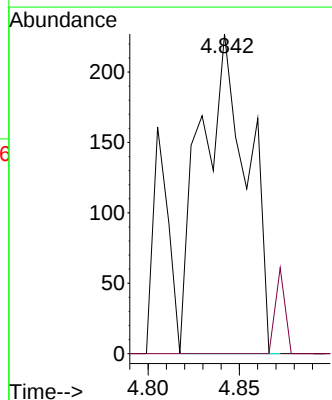
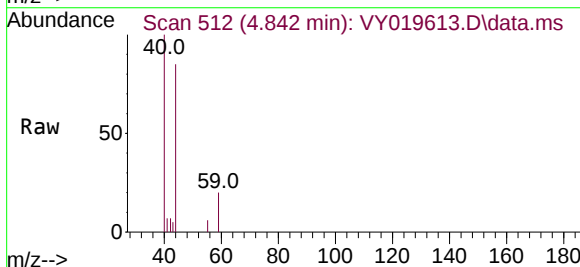
Instrument :
MSVOA_Y
ClientSampleId :

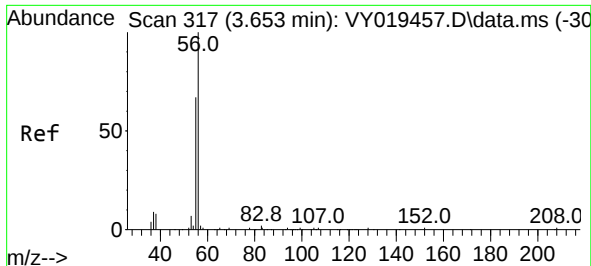
Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 41.9 74.1 111.1#



#11
Tert butyl alcohol
Concen: 11.472 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

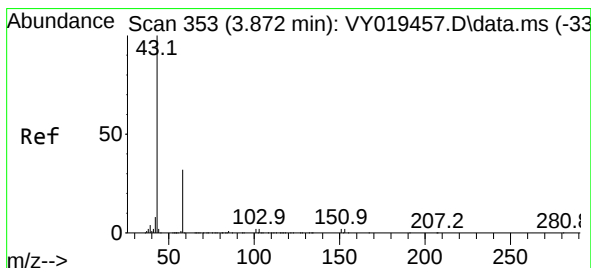
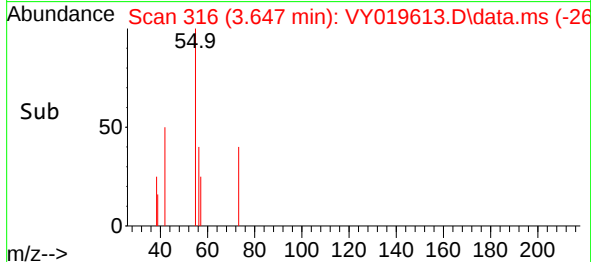
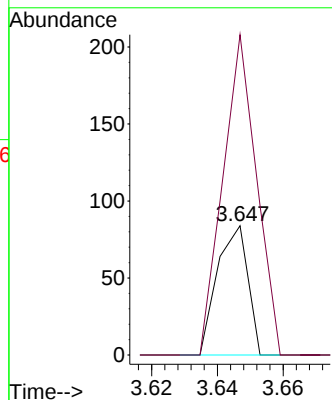
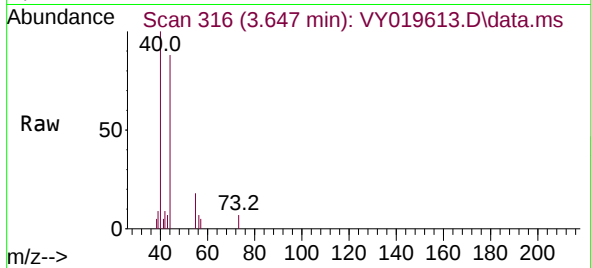




#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

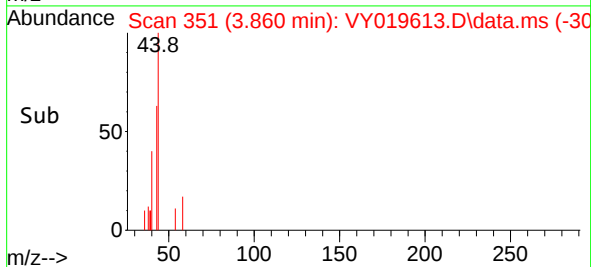
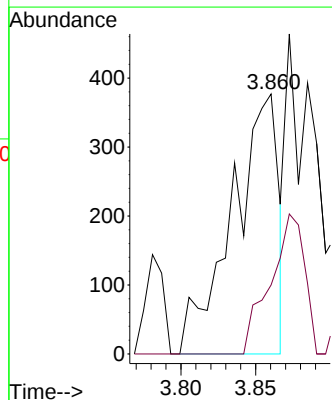
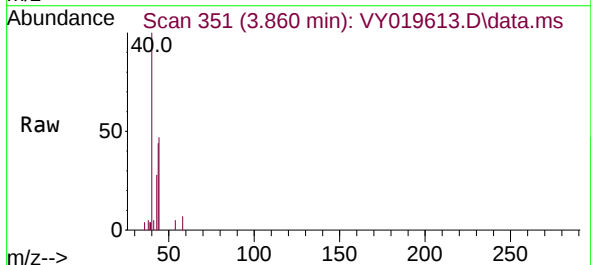
Instrument :
MSVOA_Y
ClientSampleId :

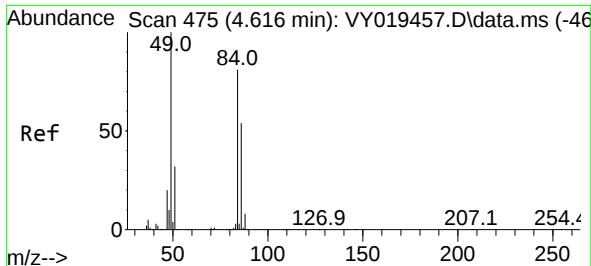
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 274.1 55.7 83.5#



#16
Acetone
Concen: 7.711 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

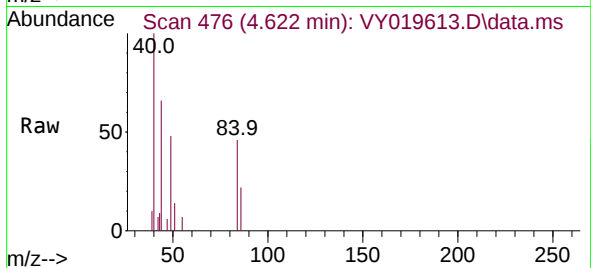
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 26.5 31.7 47.5#



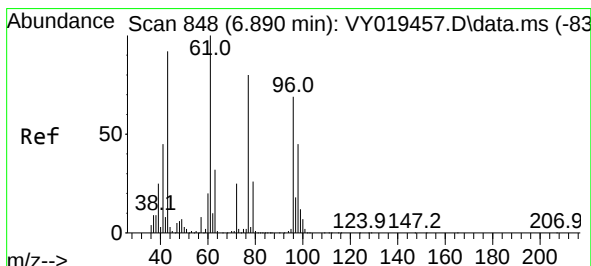
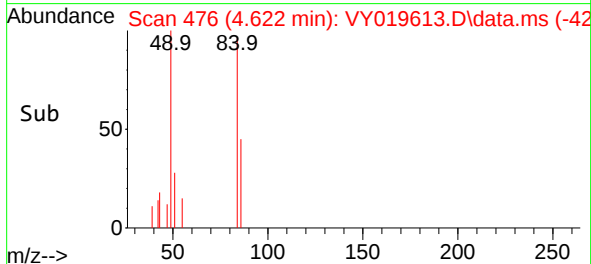
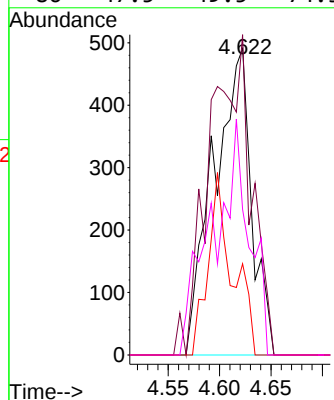


#20
Methylene Chloride
Concen: 2.640 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

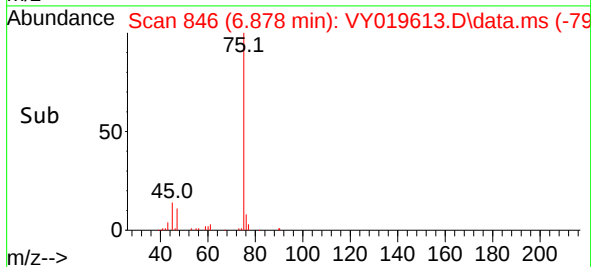
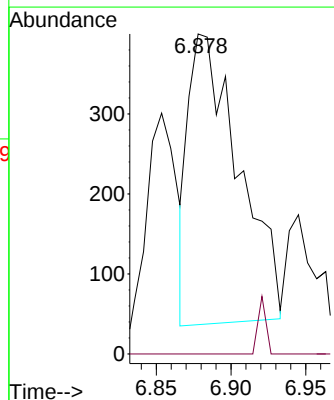
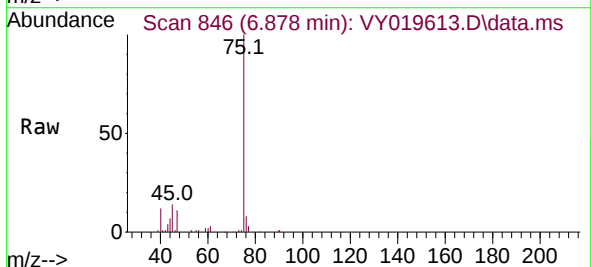


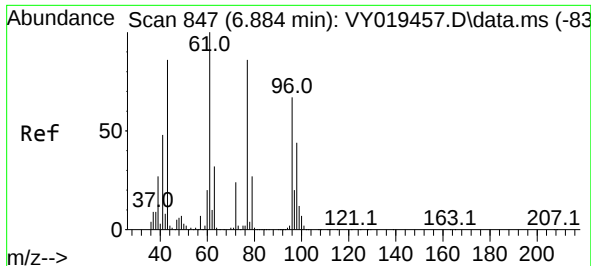
Tgt Ion:	84	Resp:	1260
Ion	Ratio	Lower	Upper
84	100		
49	104.5	84.4	126.6
51	29.7	26.0	39.0
86	47.5	49.5	74.3



#25
2-Butanone
Concen: 5.710 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion:	43	Resp:	850
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9





#26

2,2-Dichloropropane

Concen: 2.139 ug/l

RT: 6.860 min Scan# 847

Delta R.T. -0.024 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

Instrument :

MSVOA_Y

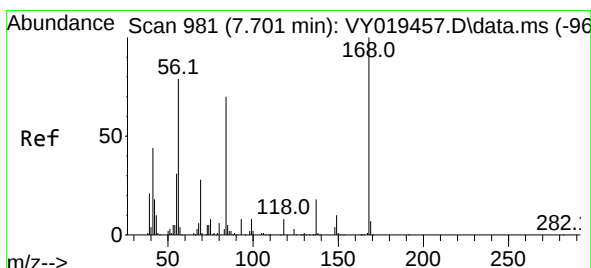
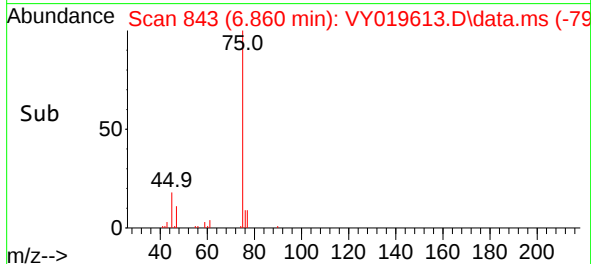
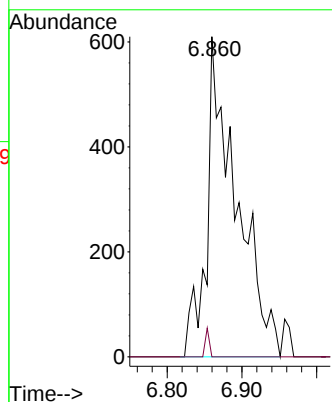
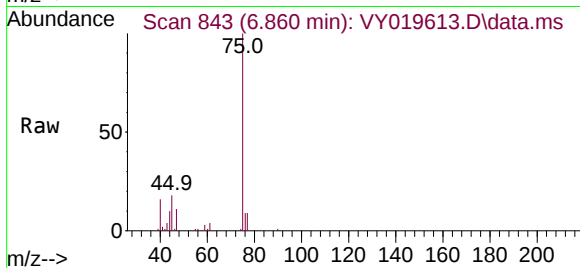
ClientSampleId :

Tgt Ion: 77 Resp: 1678

Ion Ratio Lower Upper

77 100

97 1.2 12.0 36.1#



#31

Cyclohexane

Concen: 1.558 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

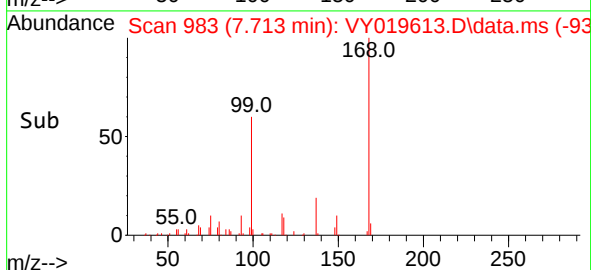
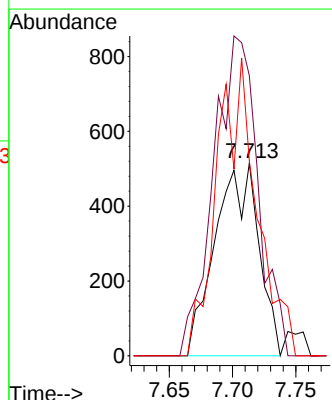
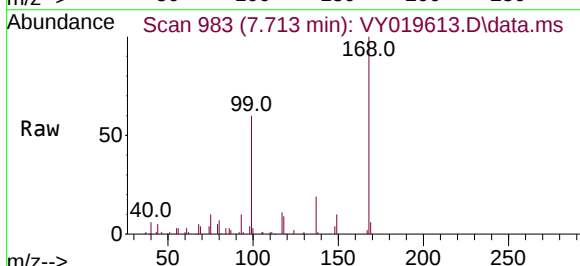
Tgt Ion: 56 Resp: 1225

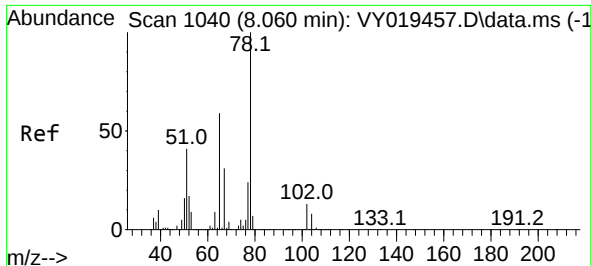
Ion Ratio Lower Upper

56 100

69 145.4 28.7 43.1#

84 101.2 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 45.005 ug/l

RT: 8.055 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

Instrument :

MSVOA_Y

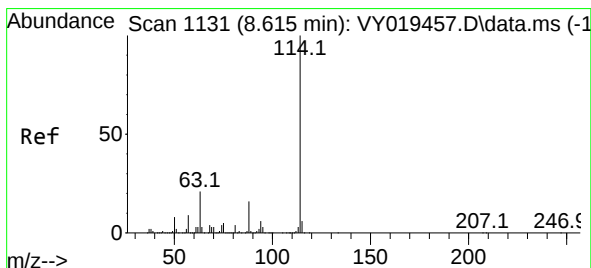
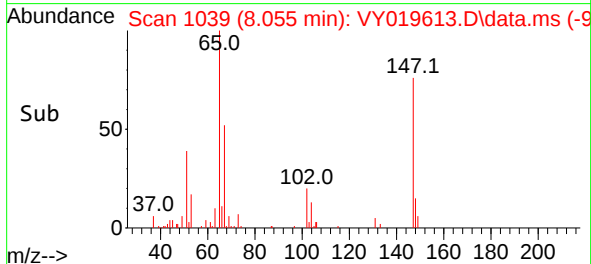
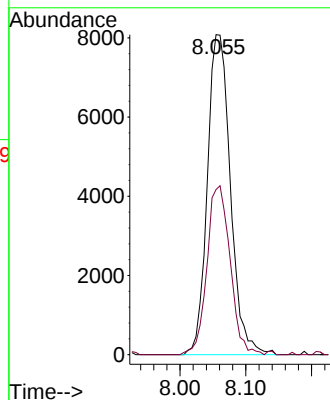
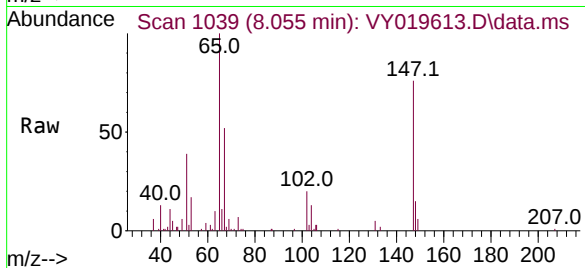
ClientSampleId :

Tgt Ion: 65 Resp: 19771

Ion Ratio Lower Upper

65 100

67 52.8 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: VY019613.D

Acq: 18 Sep 2024 18:05

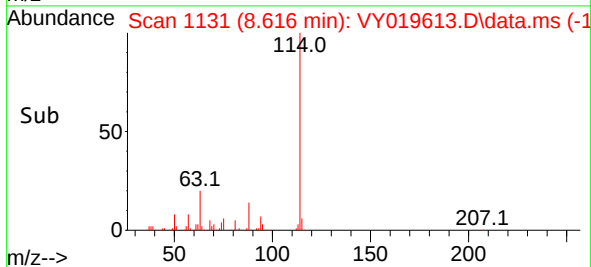
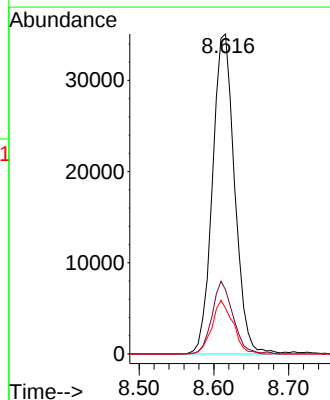
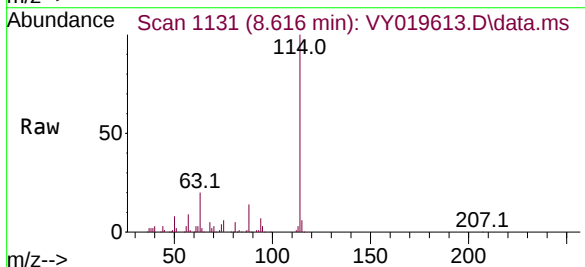
Tgt Ion: 114 Resp: 72054

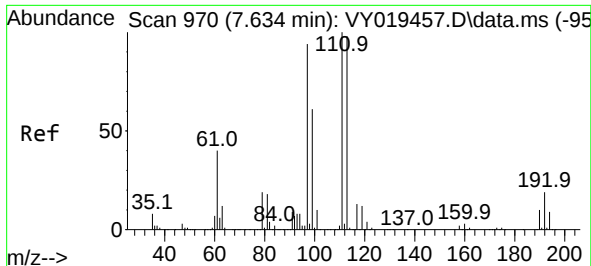
Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.0

88 14.3 0.0 27.2

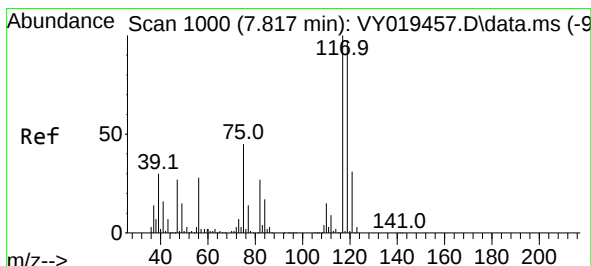
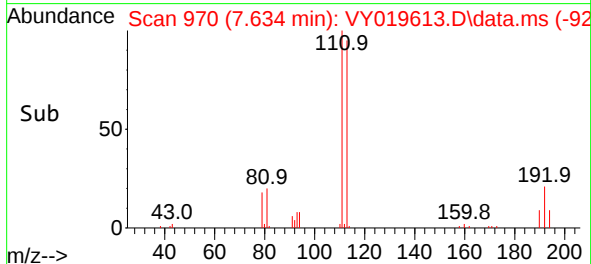
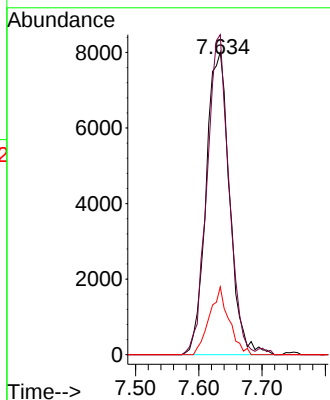
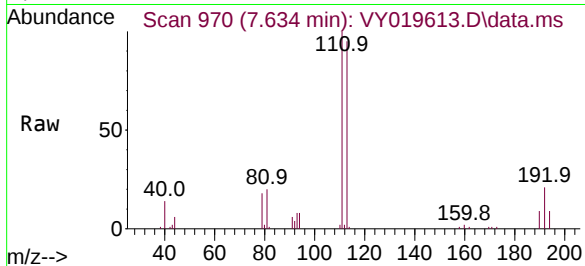




#35
Dibromofluoromethane
Concen: 50.498 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

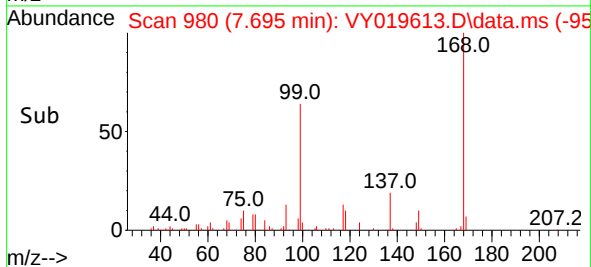
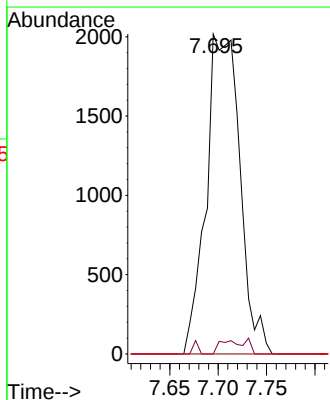
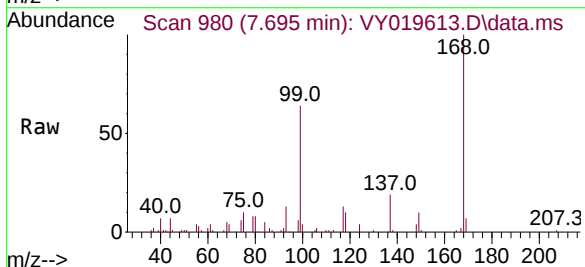
Instrument :
MSVOA_Y
ClientSampleId :

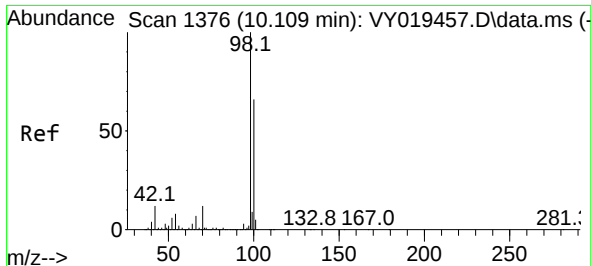
Tgt Ion:113 Resp: 20630
Ion Ratio Lower Upper
113 100
111 99.1 82.2 123.4
192 18.7 15.9 23.9



#38
Carbon Tetrachloride
Concen: 7.810 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion:117 Resp: 4896
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

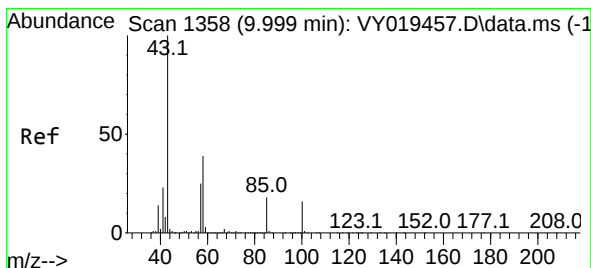
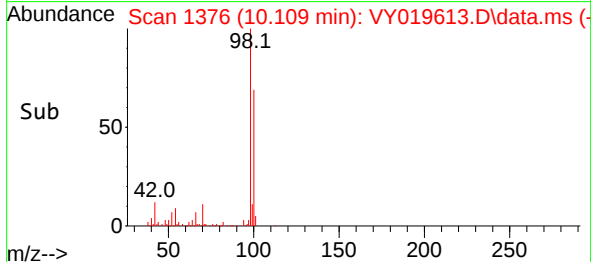
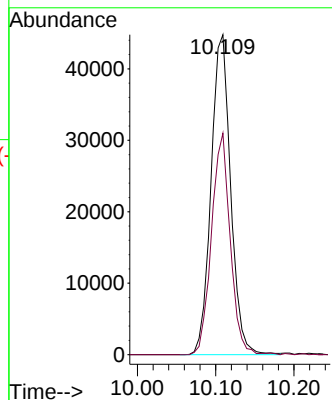
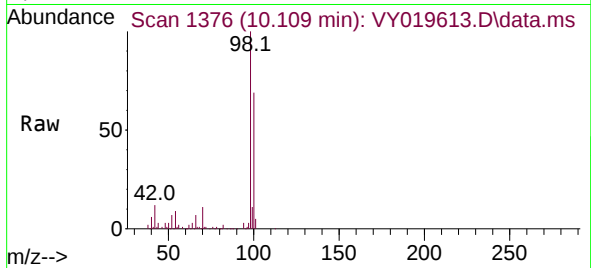




#50
Toluene-d8
Concen: 51.429 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

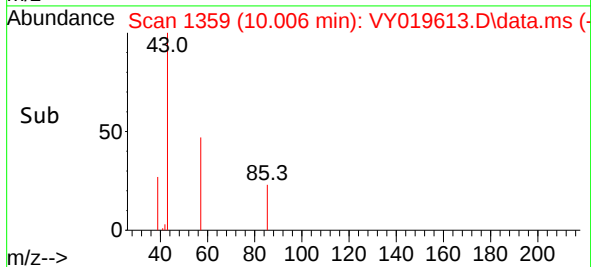
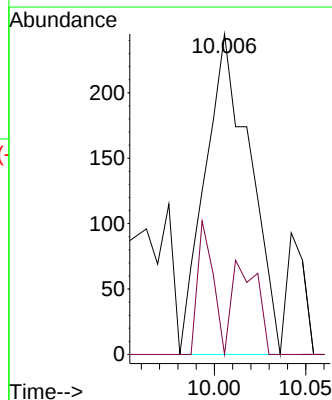
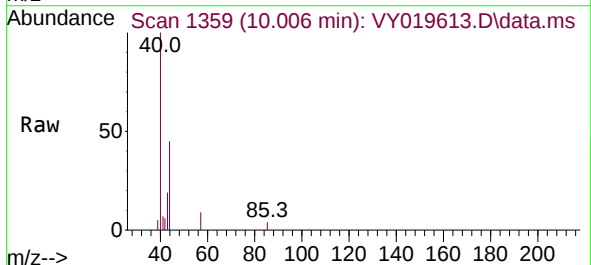
Instrument :
MSVOA_Y
ClientSampleId :

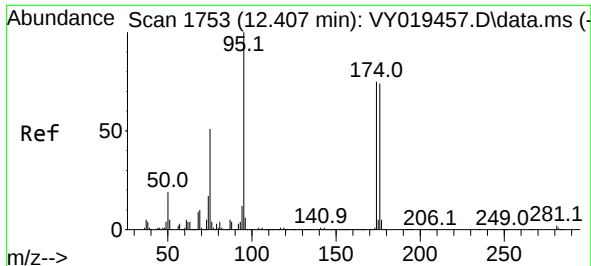
Tgt Ion: 98 Resp: 77713
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.392 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 16.5 35.7 53.5#

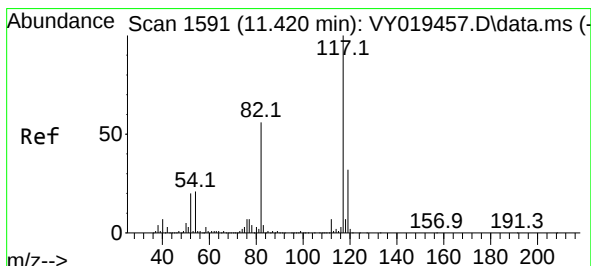
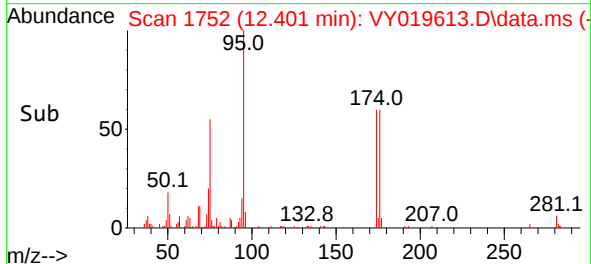
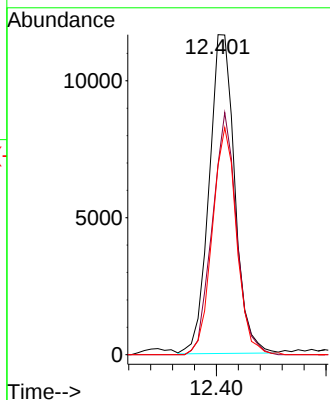
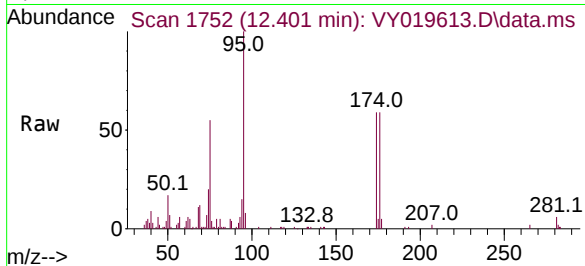




#62
4-Bromofluorobenzene
Concen: 32.612 ug/l
RT: 12.401 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

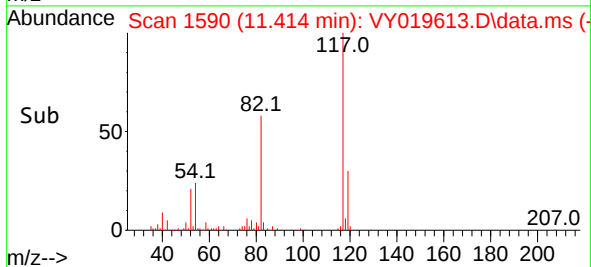
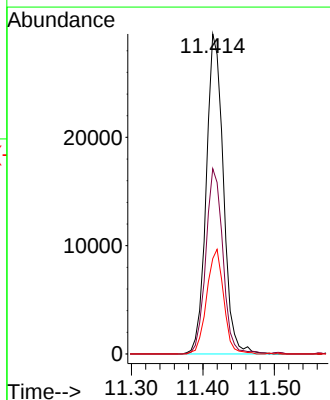
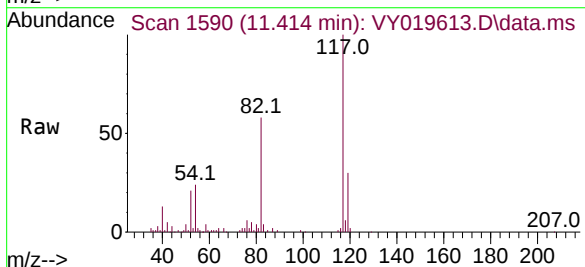
Instrument :
MSVOA_Y
ClientSampleId :

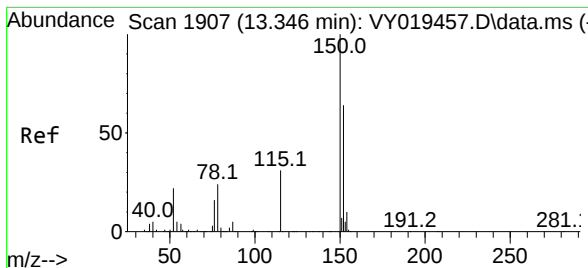
Tgt Ion: 95 Resp: 18948
Ion Ratio Lower Upper
95 100
174 71.6 0.0 175.6
176 67.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion: 117 Resp: 49097
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 29.8 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: VY019613.D

Acq: 18 Sep 2024 18:05

Instrument :

MSVOA_Y

ClientSampleId :

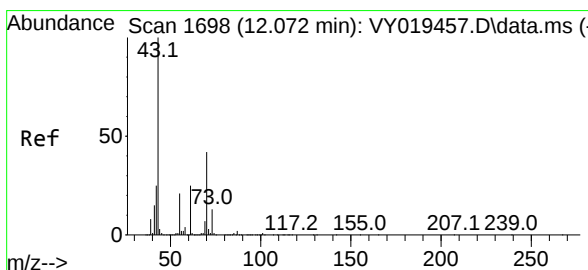
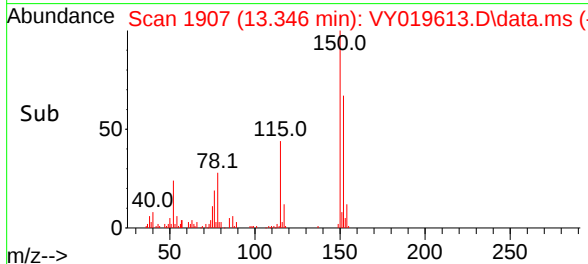
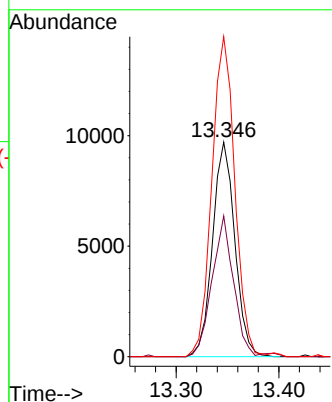
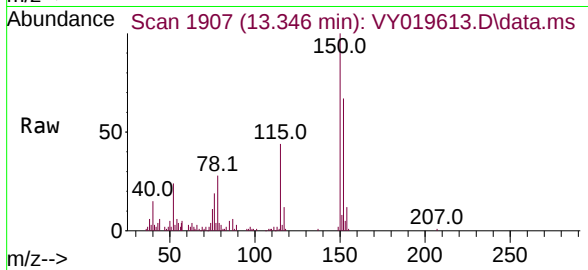
Tgt Ion:152 Resp: 14612

Ion Ratio Lower Upper

152 100

115 63.2 28.2 84.7

150 154.2 0.0 345.6



#74

N-ethyl acetate

Concen: 2.324 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

Tgt Ion: 43 Resp: 670

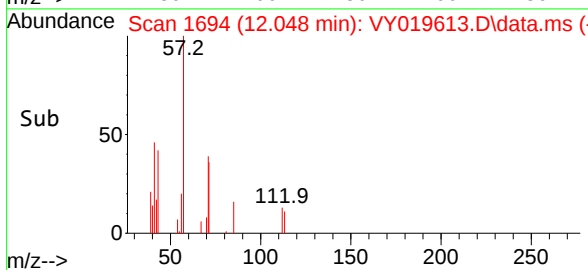
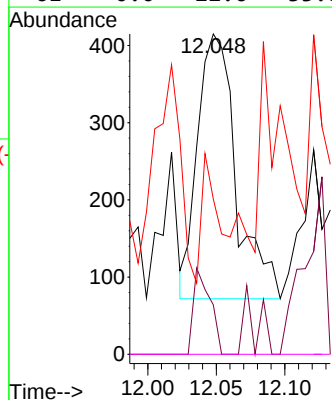
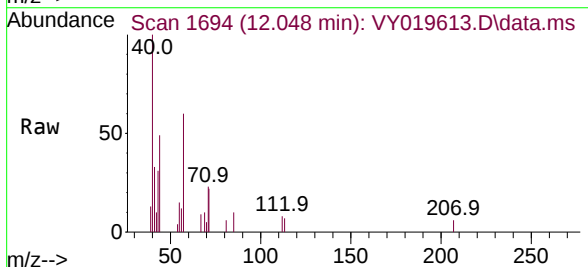
Ion Ratio Lower Upper

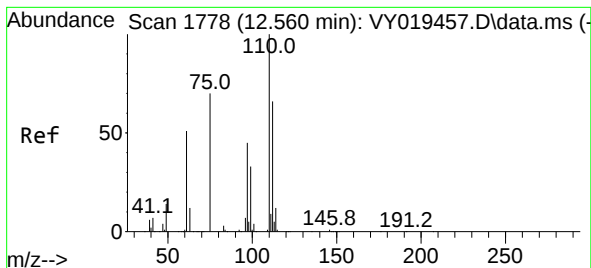
43 100

70 14.2 41.4 62.2#

55 21.9 23.3 34.9#

61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 80.339 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

Instrument :

MSVOA_Y

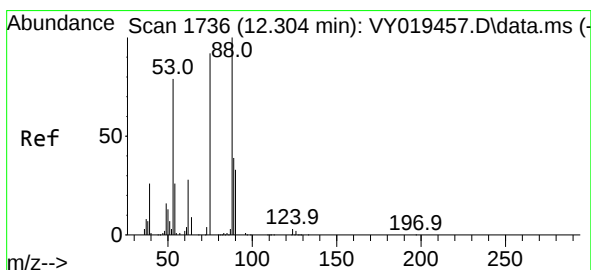
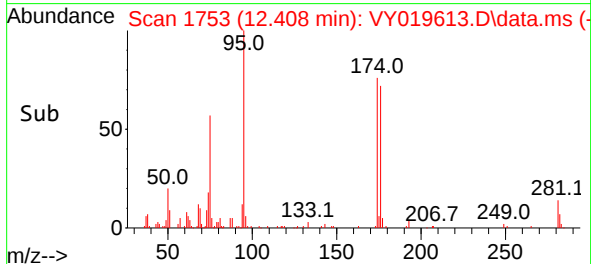
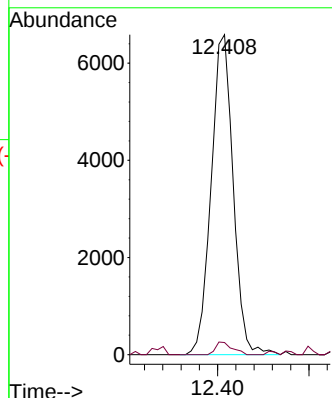
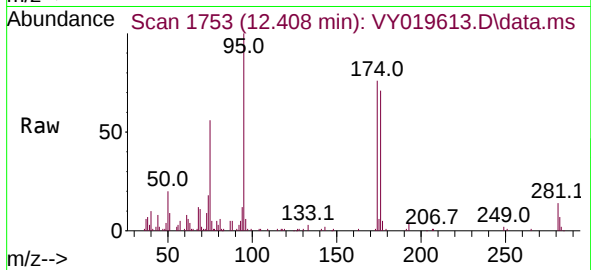
ClientSampleId :

Tgt Ion: 75 Resp: 11003

Ion Ratio Lower Upper

75 100

77 3.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.228 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019613.D

Acq: 18 Sep 2024 18:05

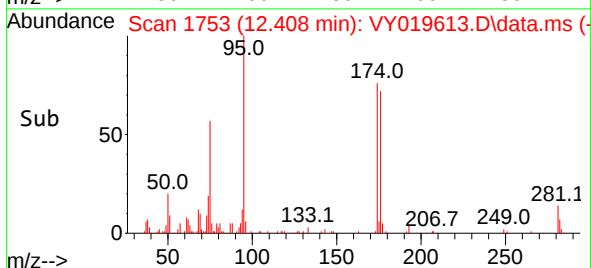
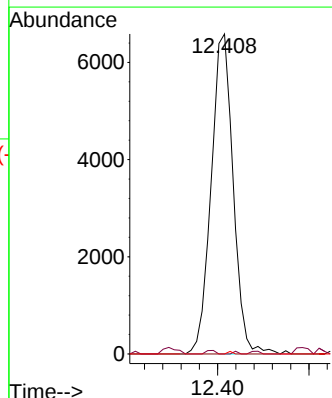
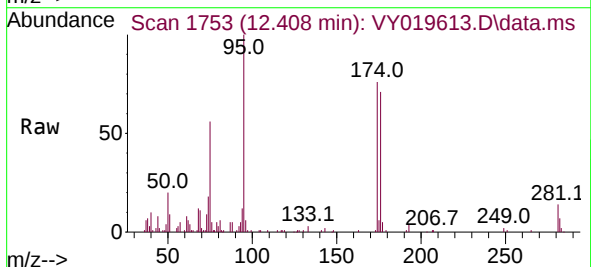
Tgt Ion: 75 Resp: 11003

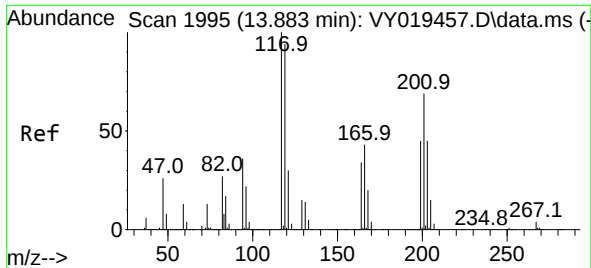
Ion Ratio Lower Upper

75 100

53 0.2 66.8 100.2#

89 0.2 35.8 53.6#

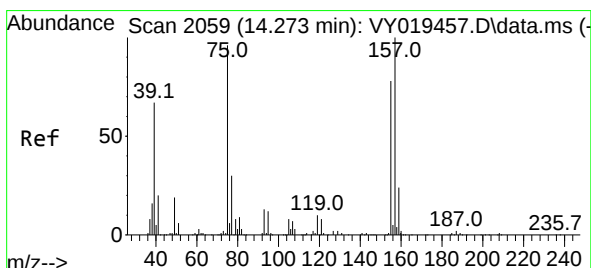
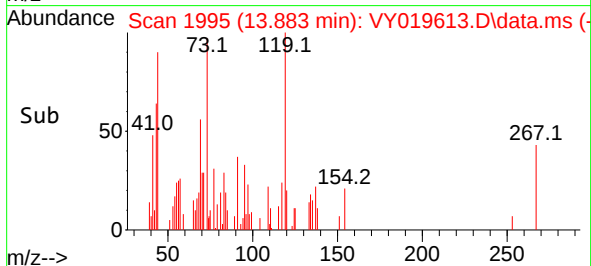
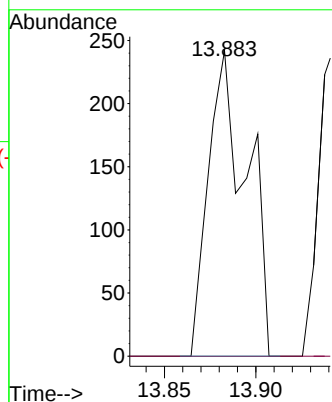
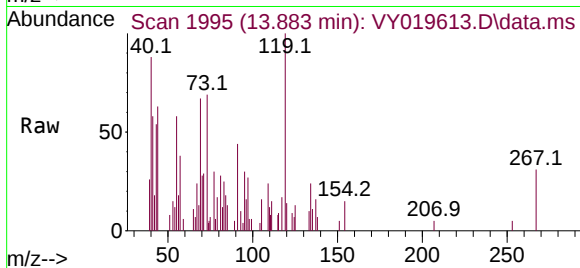




#90
Hexachloroethane
Concen: 1.835 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 354
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.850 ug/l
RT: 14.261 min Scan# 2057
Delta R.T. -0.012 min
Lab File: VY019613.D
Acq: 18 Sep 2024 18:05

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

