

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081924\
 Data File : VY019121.D
 Acq On : 19 Aug 2024 16:55
 Operator : SY/MD
 Sample : P3580-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 01:47:46 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)

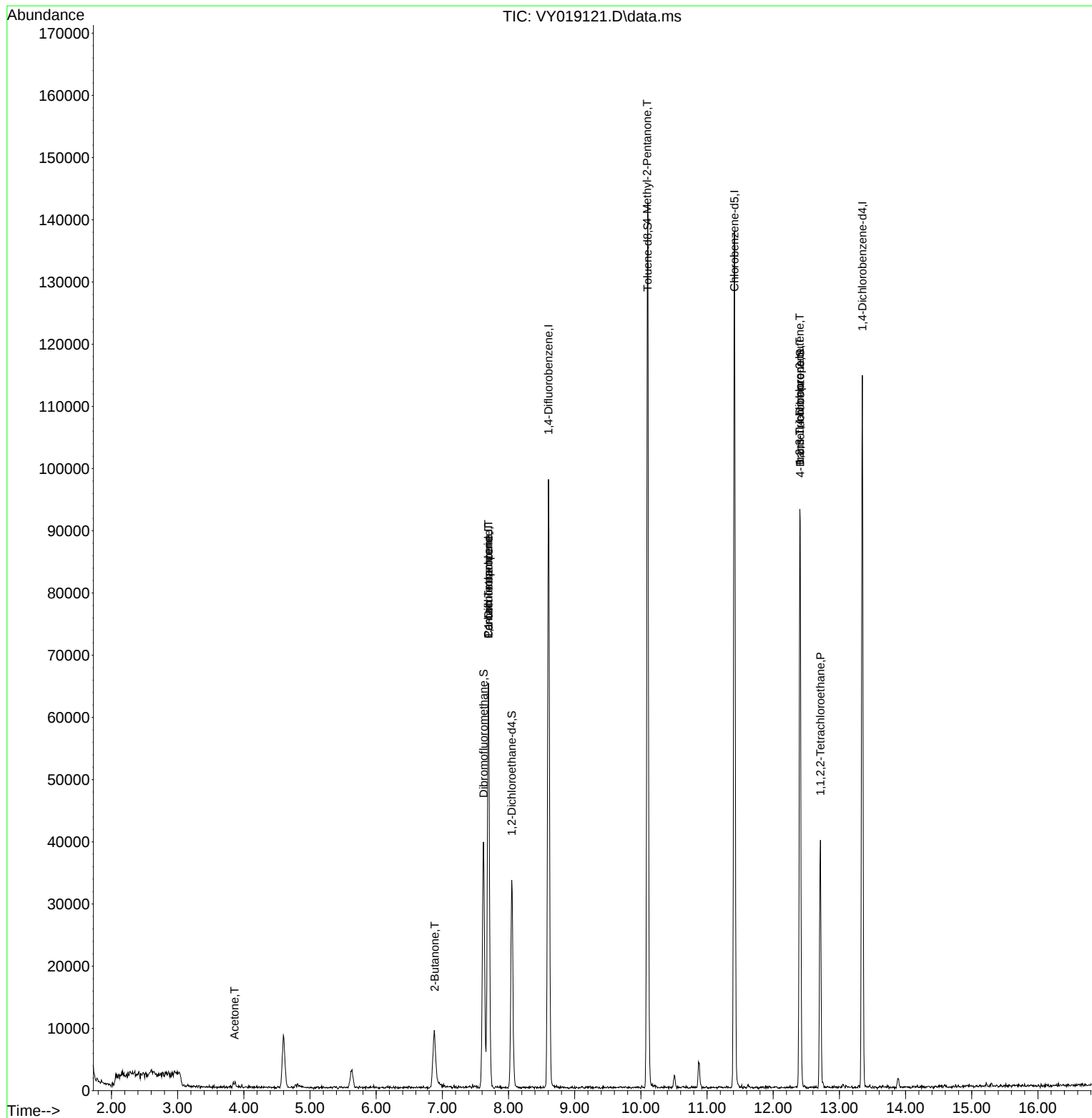
Internal Standards						
1) Pentafluorobenzene	7.695	168	49397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	84356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	74172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	29296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	25772	52.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.100%	
35) Dibromofluoromethane	7.622	113	28678	51.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.103	98	90947	45.819	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.640%	
62) 4-Bromofluorobenzene	12.408	95	27529	40.684	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 81.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	245	Below Cal	#	29
6) Chloroethane	2.891	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.818	59	105	Below Cal	#	88
16) Acetone	3.860	43	1466	15.964	ug/l #	75
25) 2-Butanone	6.884	43	758	5.125	ug/l #	41
31) Cyclohexane	7.695	56	1093	Below Cal	#	42
36) 1,1-Dichloropropene	7.695	75	3882	5.125	ug/l #	50
38) Carbon Tetrachloride	7.695	117	5086	5.794	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	428	1.188	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.713	83	932	2.331	ug/l #	26
76) 1,2,3-Trichloropropane	12.402	75	14915	51.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	14915	127.496	ug/l #	16

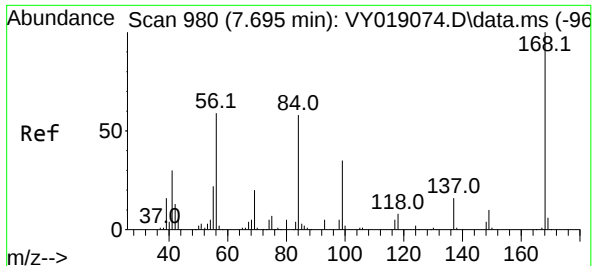
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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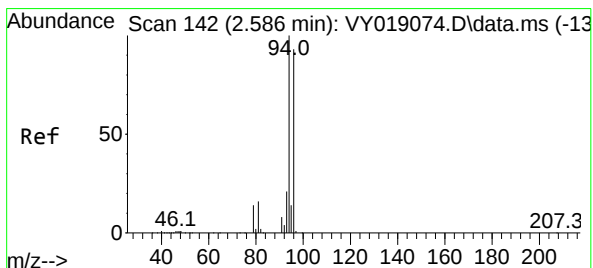
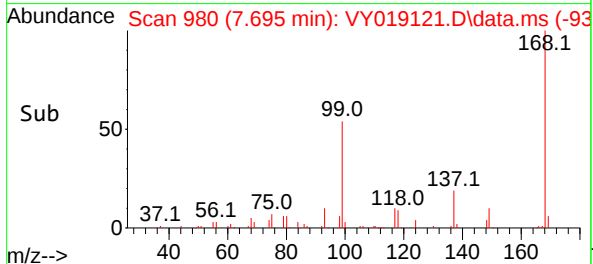
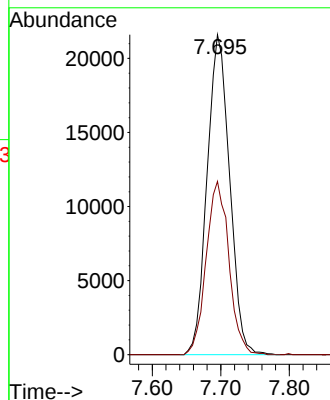
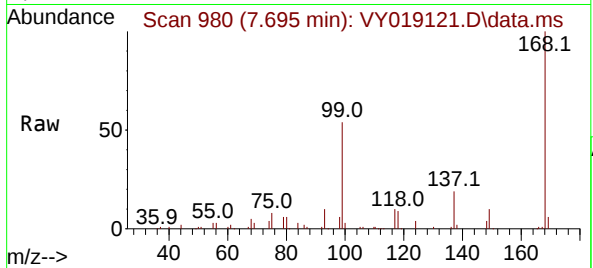




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

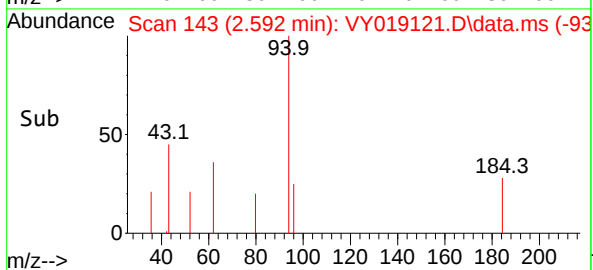
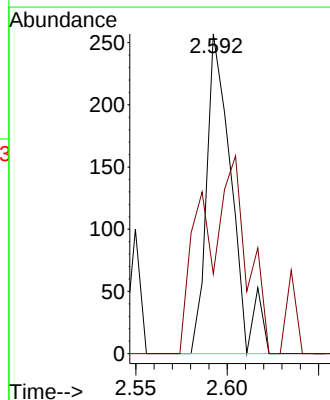
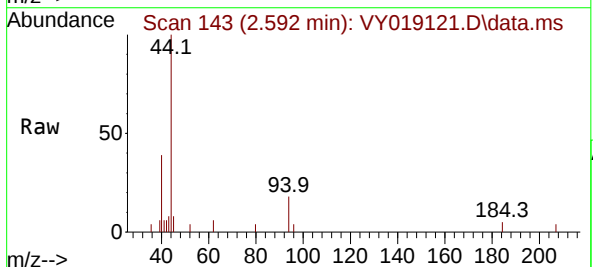
Instrument :
MSVOA_Y
ClientSampleId :

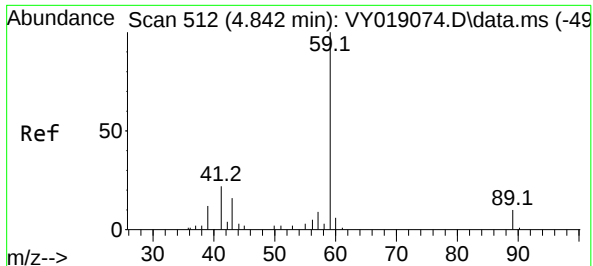
Tgt Ion:168 Resp: 49397
Ion Ratio Lower Upper
168 100
99 54.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 24.9 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.818 min Scan# 508

Delta R.T. -0.024 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

Instrument :

MSVOA_Y

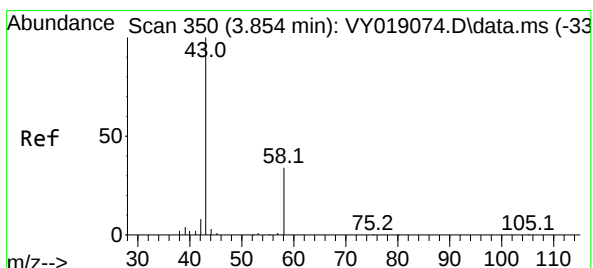
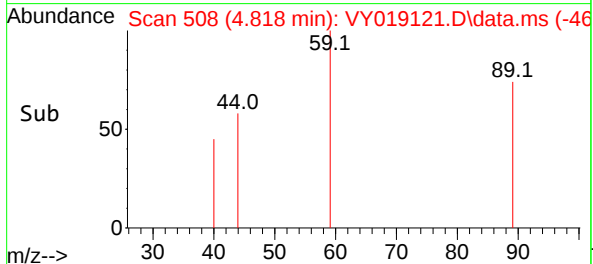
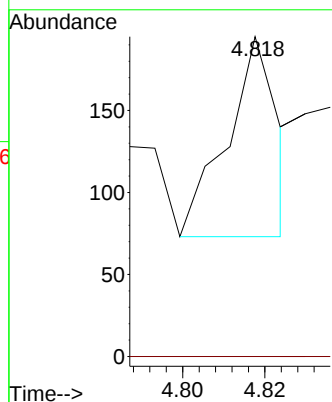
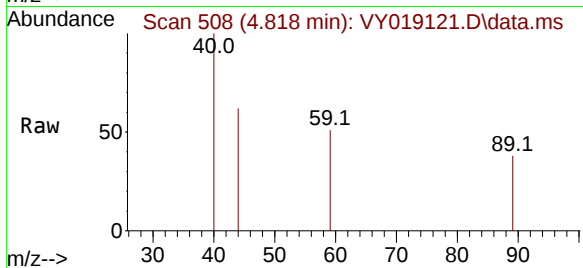
ClientSampleId :

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 15.964 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019121.D

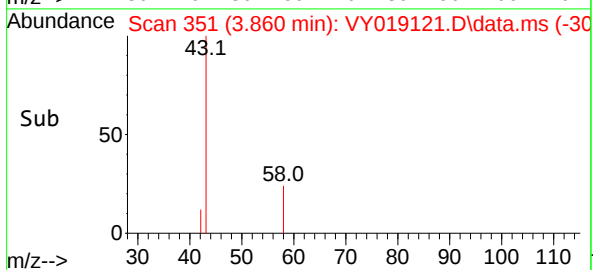
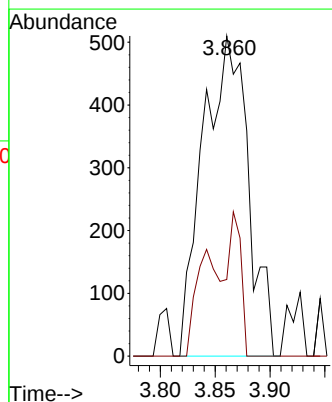
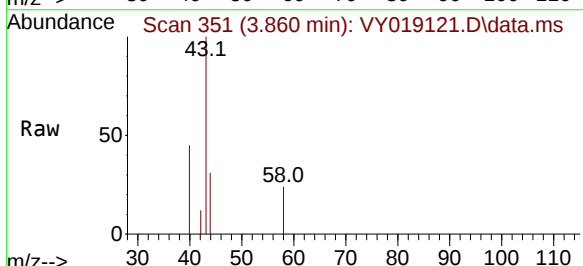
Acq: 19 Aug 2024 16:55

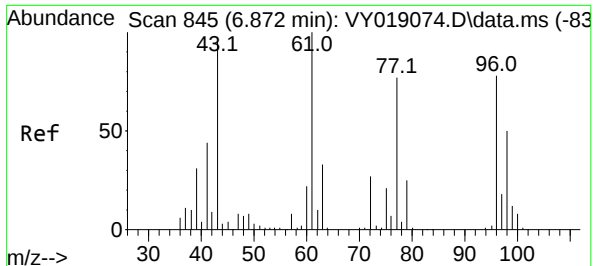
Tgt Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

58 23.9 31.7 47.5#





#25

2-Butanone

Concen: 5.125 ug/l

RT: 6.884 min Scan# 84

Delta R.T. 0.013 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

Instrument :

MSVOA_Y

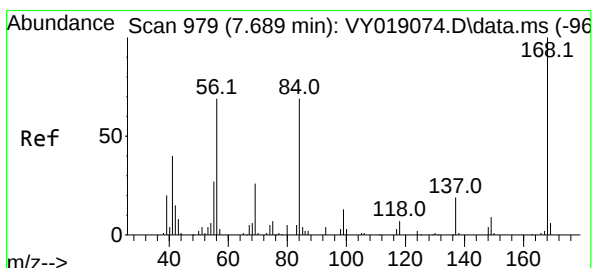
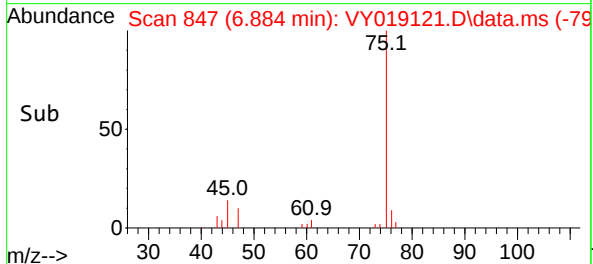
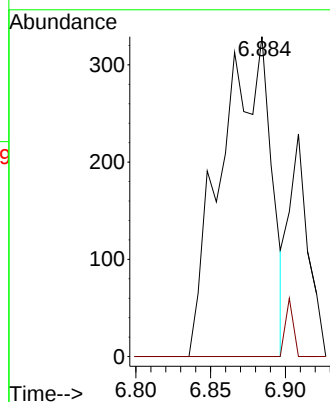
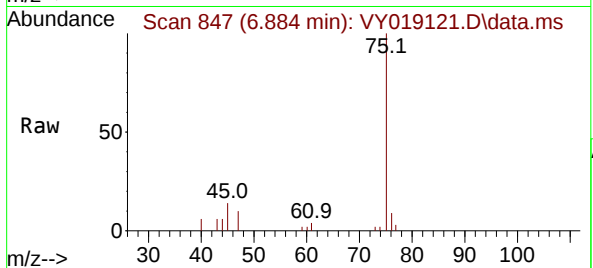
ClientSampleId :

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

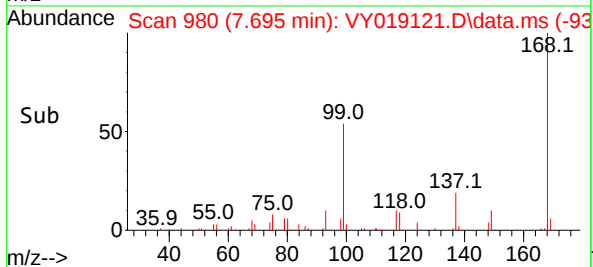
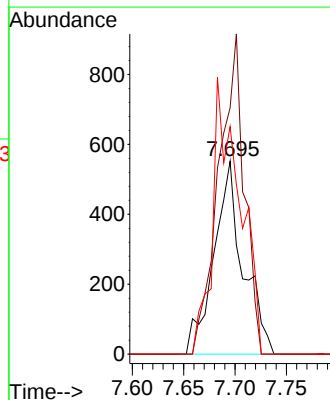
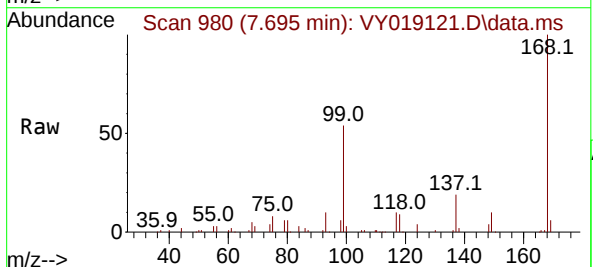
Tgt Ion: 56 Resp: 1093

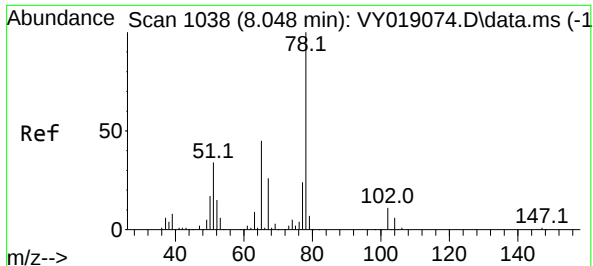
Ion Ratio Lower Upper

56 100

69 127.7 28.7 43.1#

84 117.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 52.047 ug/l

RT: 8.049 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

Instrument :

MSVOA_Y

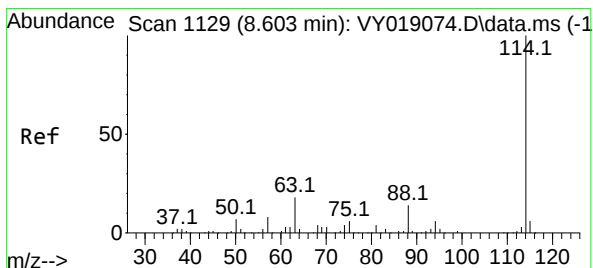
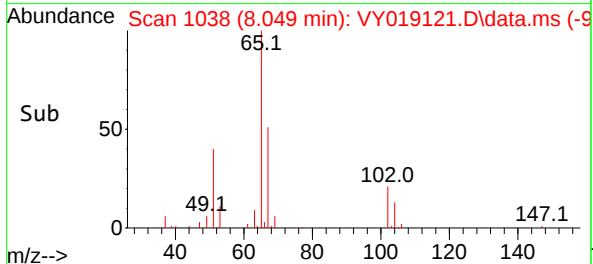
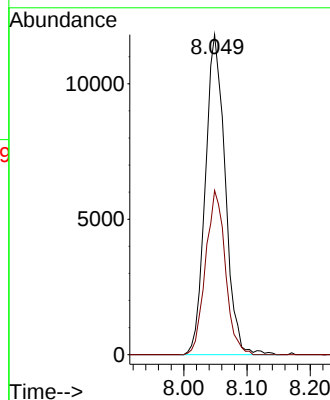
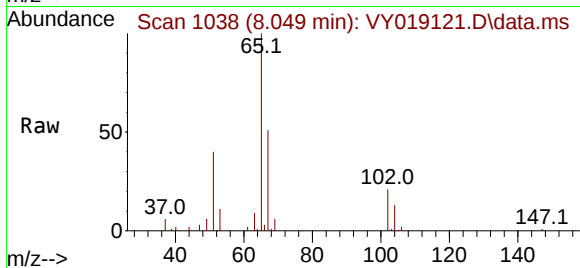
ClientSampleId :

Tgt Ion: 65 Resp: 25772

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

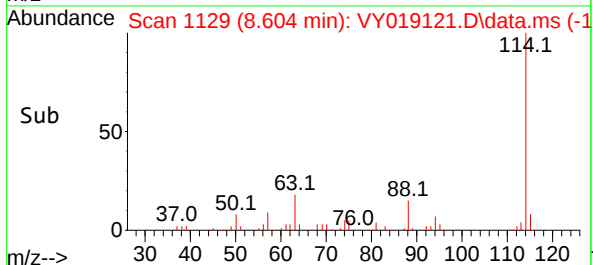
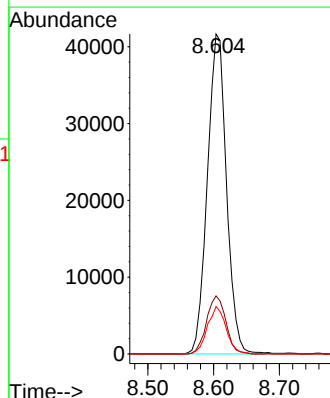
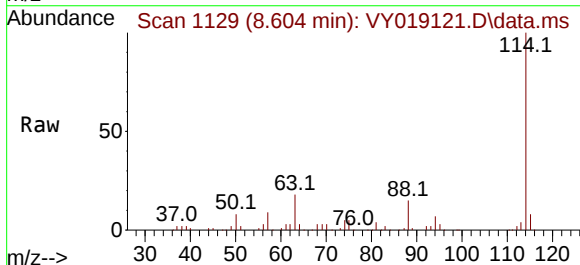
Tgt Ion: 114 Resp: 84356

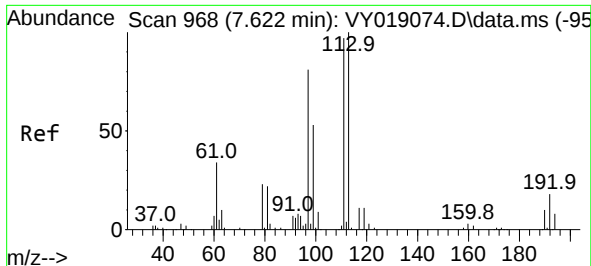
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 14.8 0.0 27.2

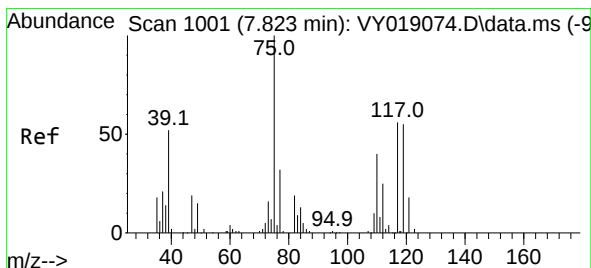
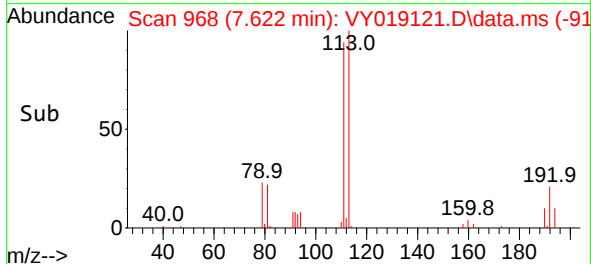
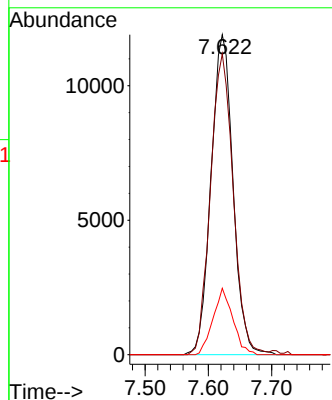
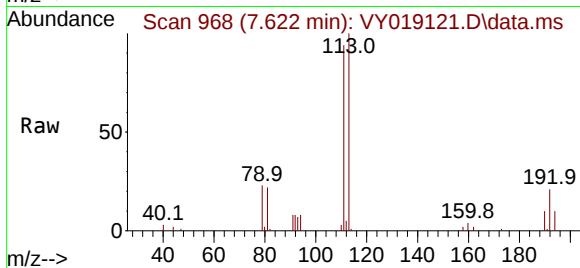




#35
Dibromofluoromethane
Concen: 51.993 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

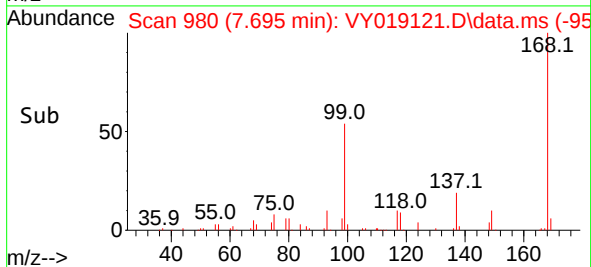
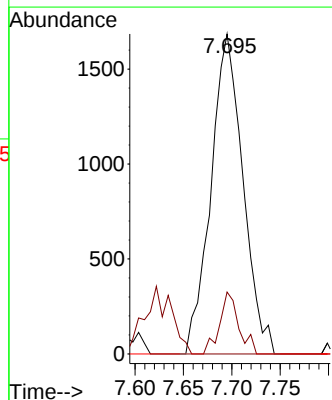
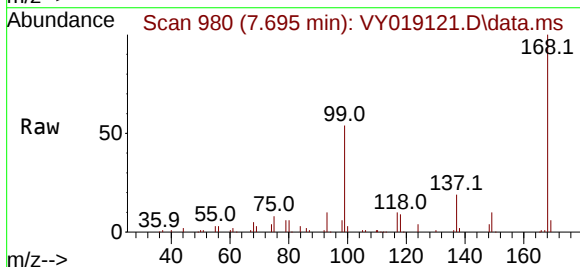
Instrument :
MSVOA_Y
ClientSampleId :

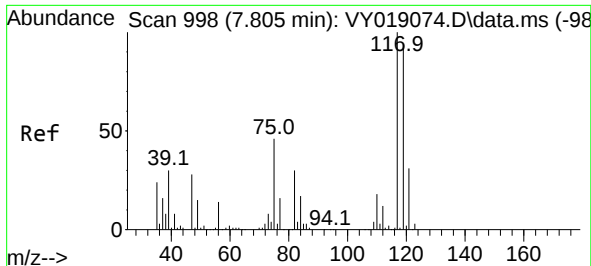
Tgt Ion:113 Resp: 28678
Ion Ratio Lower Upper
113 100
111 97.1 82.2 123.4
192 18.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

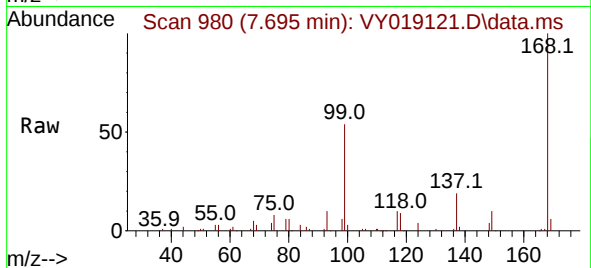
Tgt Ion: 75 Resp: 3882
Ion Ratio Lower Upper
75 100
110 11.5 19.0 57.0#
77 0.0 25.3 37.9#



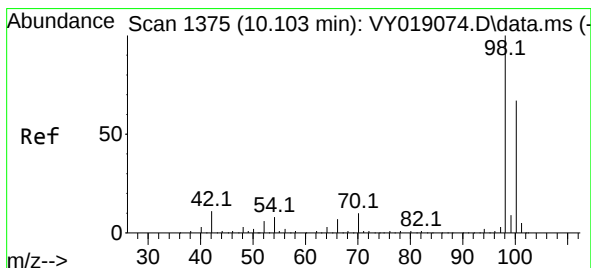
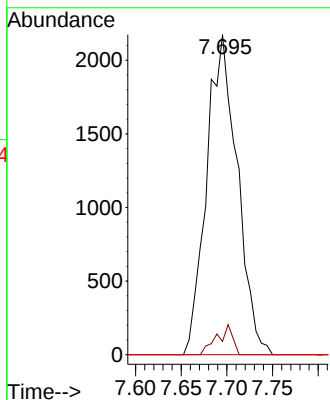
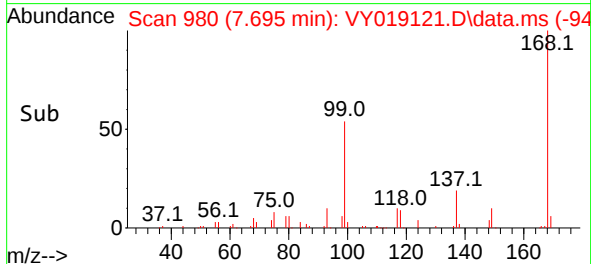


#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Instrument :
MSVOA_Y
ClientSampleId :

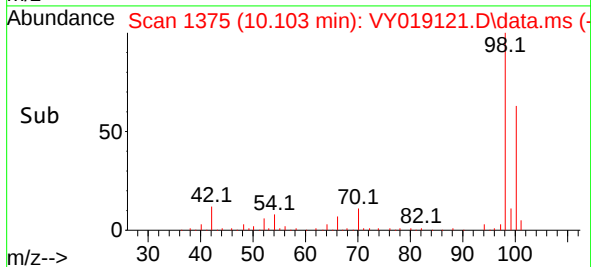
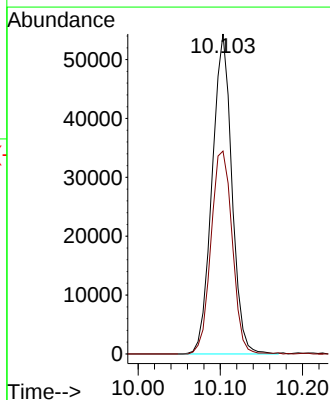
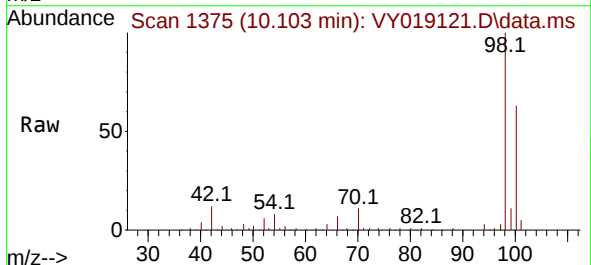


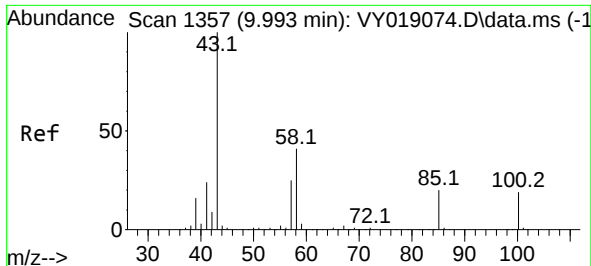
Tgt Ion:117 Resp: 5086
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.819 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Tgt Ion: 98 Resp: 90947
Ion Ratio Lower Upper
98 100
100 68.0 52.0 78.0

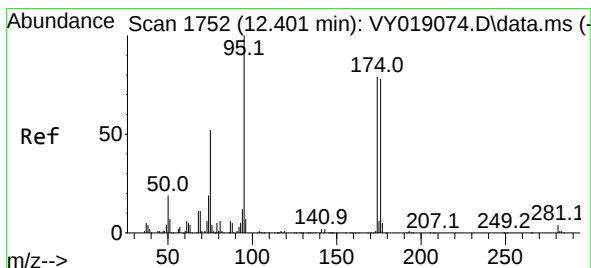
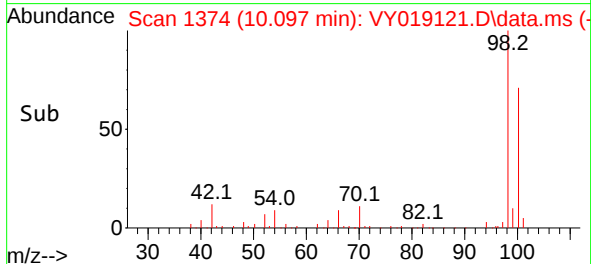
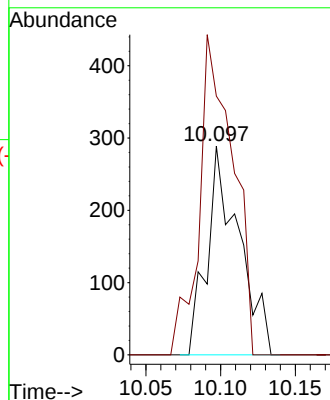
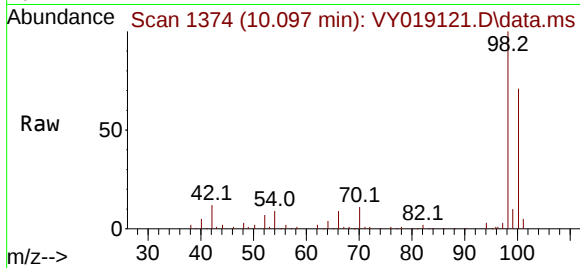




#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

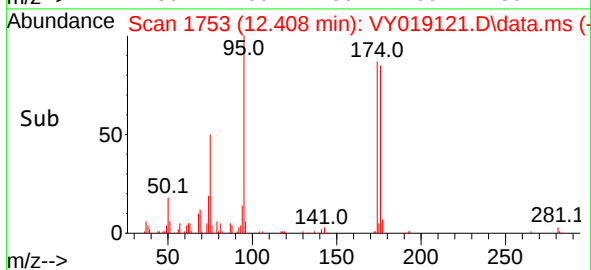
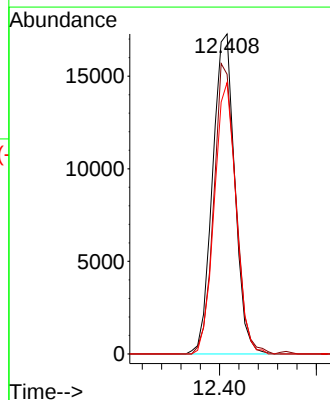
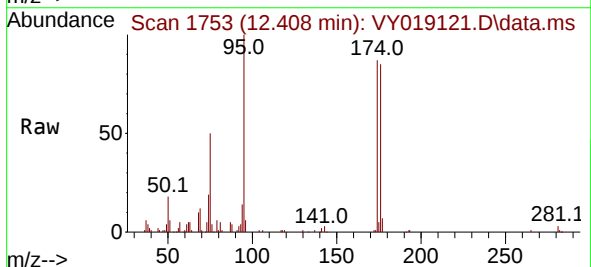
Instrument :
MSVOA_Y
ClientSampleId :

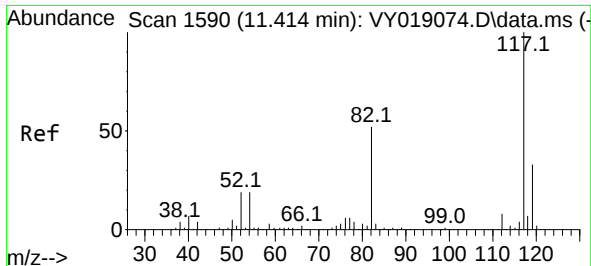
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 162.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 40.684 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Tgt Ion: 95 Resp: 27529
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.6
176 83.5 0.0 171.4

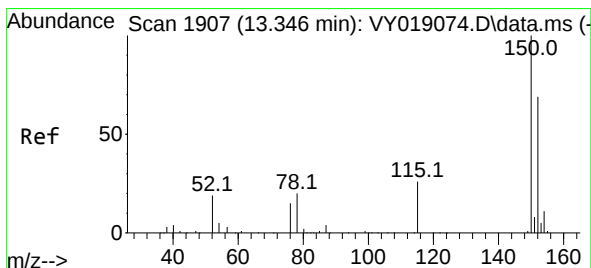
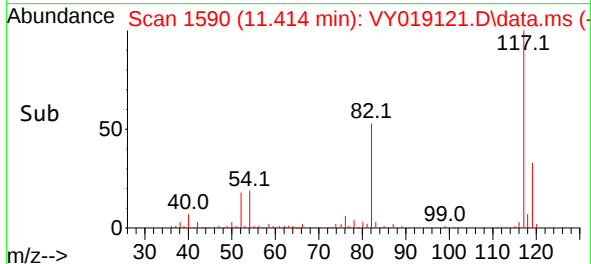
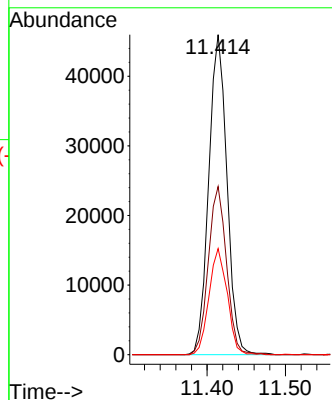
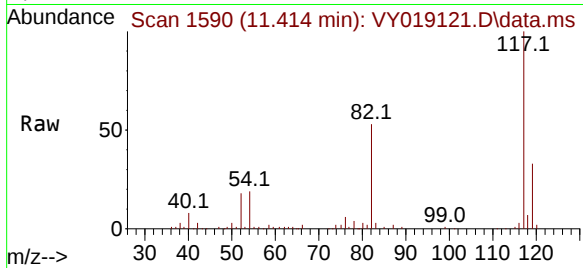




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

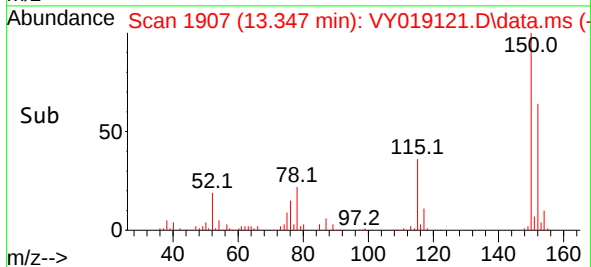
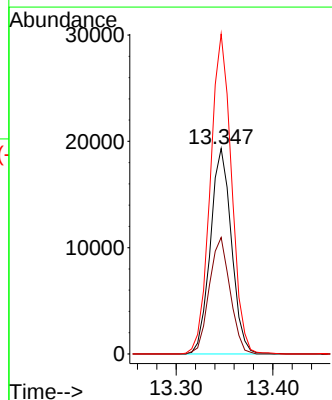
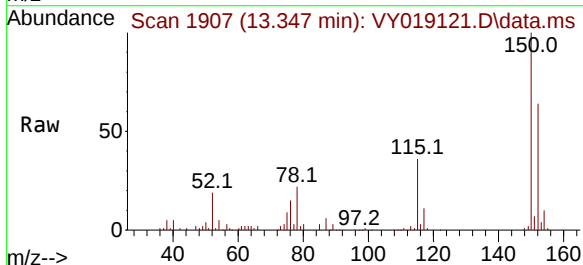
Instrument :
MSVOA_Y
ClientSampleId :

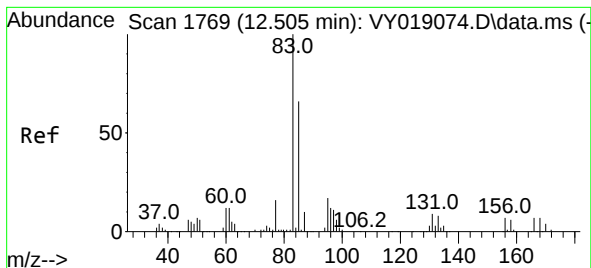
Tgt Ion:117 Resp: 74172
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 33.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Tgt Ion:152 Resp: 29296
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 156.6 0.0 345.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.331 ug/l

RT: 12.713 min Scan# 1752

Delta R.T. 0.208 min

Lab File: VY019121.D

Acq: 19 Aug 2024 16:55

Instrument :

MSVOA_Y

ClientSampleId :

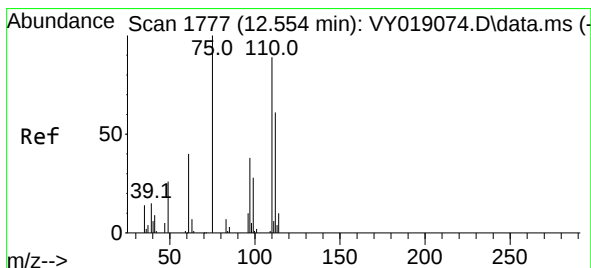
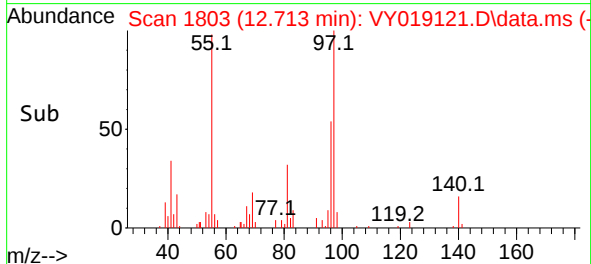
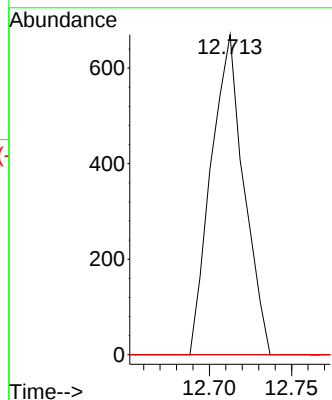
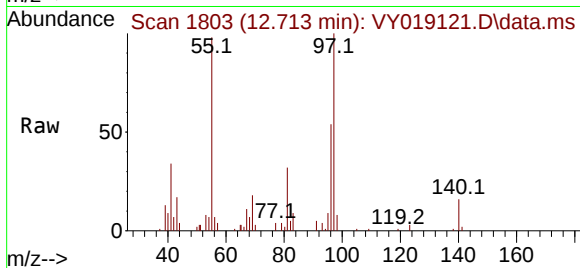
Tgt Ion: 83 Resp: 932

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 51.625 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019121.D

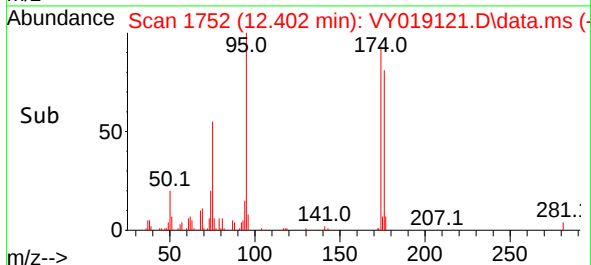
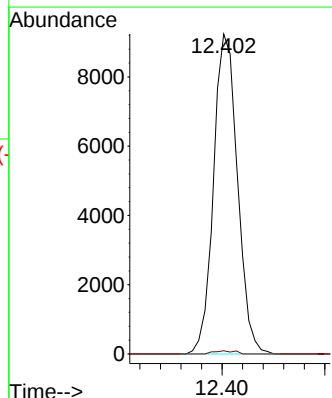
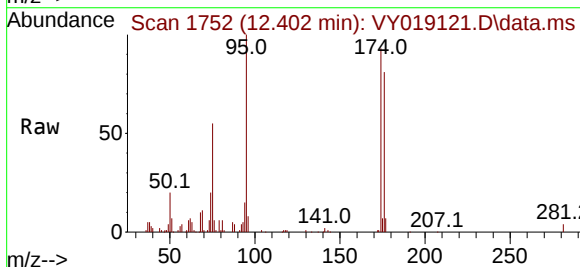
Acq: 19 Aug 2024 16:55

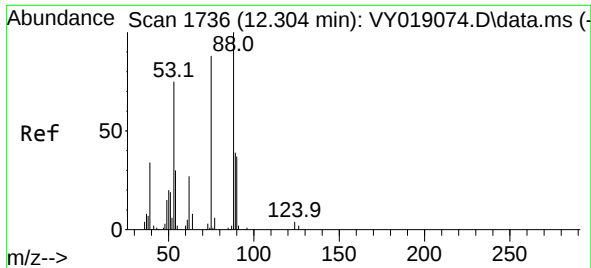
Tgt Ion: 75 Resp: 14915

Ion Ratio Lower Upper

75 100

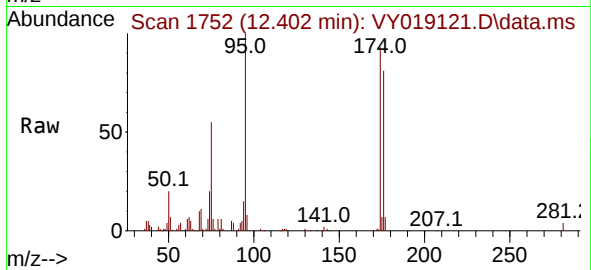
77 0.9 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 127.496 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019121.D
Acq: 19 Aug 2024 16:55

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.8	100.2#
89	0.0	35.8	53.6#

