

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081524\
 Data File : VY019077.D
 Acq On : 15 Aug 2024 20:15
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 05:13:00 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

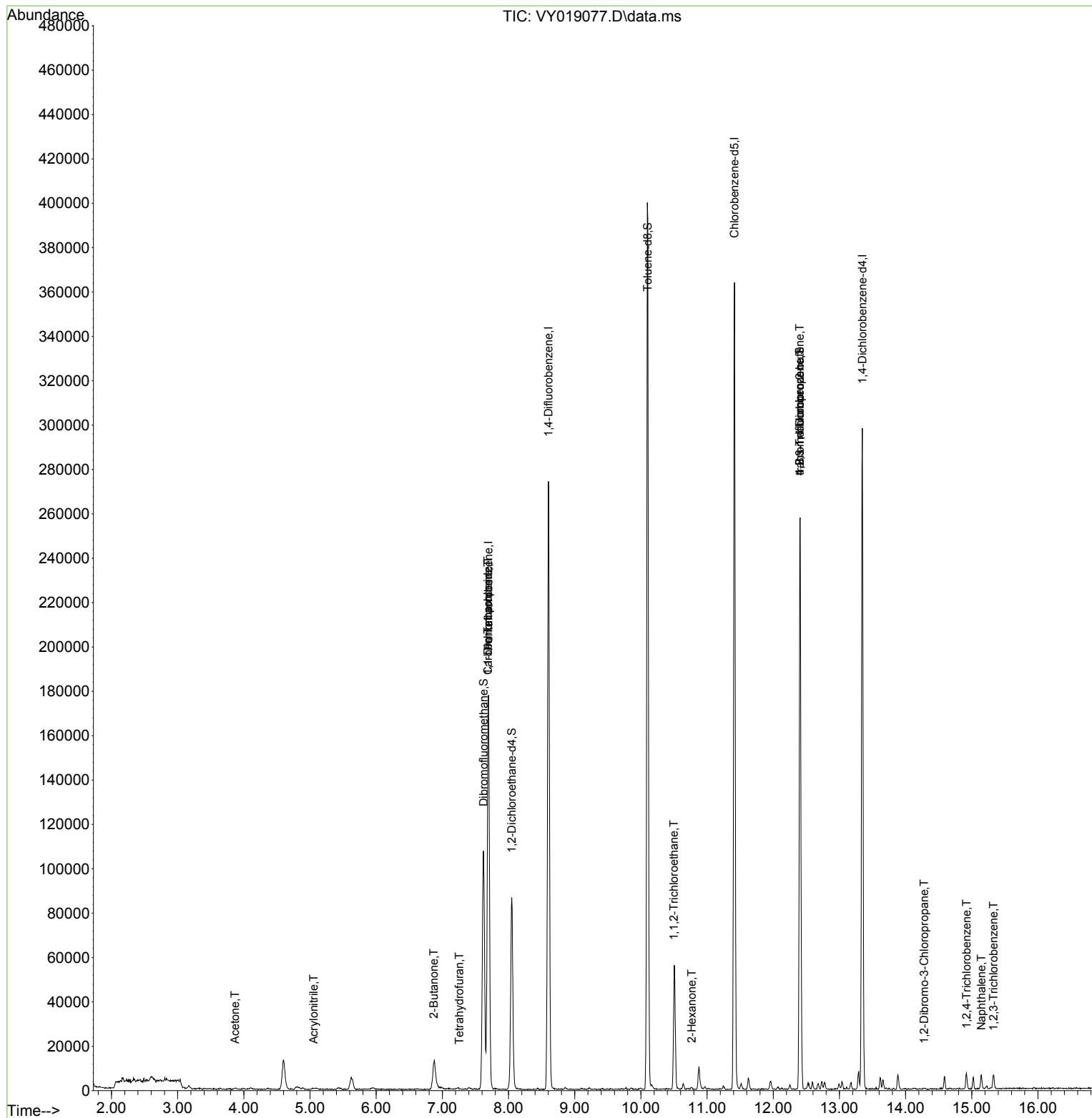
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.695	168	139105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	238218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	193792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	74023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	65596	47.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.080%
35) Dibromofluoromethane	7.622	113	75612	48.544	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.103	98	254435	45.392	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.780%
62) 4-Bromofluorobenzene	12.402	95	75178	39.343	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	78.680%
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	1555	Below Cal	#	51
6) Chloroethane	2.727	64	126	Below Cal	#	42
11) Tert butyl alcohol	4.805	59	696	Below Cal	#	88
13) Acrolein	3.653	56	98	Below Cal	#	15
15) Acrylonitrile	5.055	53	417	1.374	ug/l #	28
16) Acetone	3.867	43	500	1.933	ug/l #	36
20) Methylene Chloride	4.592	84	9538	Below Cal		88
25) 2-Butanone	6.872	43	946	2.271	ug/l	97
29) Tetrahydrofuran	7.256	42	340	1.270	ug/l #	44
31) Cyclohexane	7.689	56	3134	Below Cal	#	49
36) 1,1-Dichloropropene	7.689	75	10336	4.832	ug/l #	50
38) Carbon Tetrachloride	7.689	117	13970	5.636	ug/l #	16
55) 1,1,2-Trichloroethane	10.499	97	1274	1.044	ug/l #	16
59) 2-Hexanone	10.768	43	745	1.066	ug/l	75
76) 1,2,3-Trichloropropane	12.402	75	41407	56.722	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	41407	140.084	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.279	75	173	1.164	ug/l #	51
93) 1,2,4-Trichlorobenzene	14.919	180	2094	1.571	ug/l	97
95) Naphthalene	15.145	128	4960	2.085	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	2341	2.083	ug/l	91

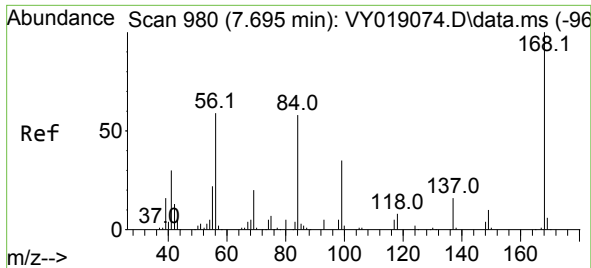
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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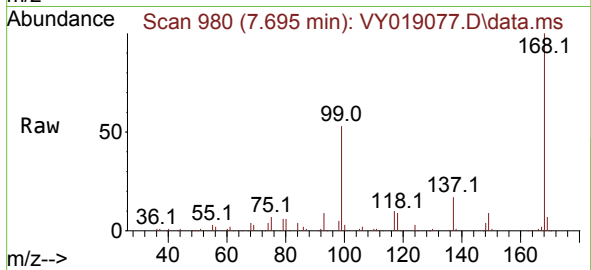
Quant Time: Aug 16 05:13:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration



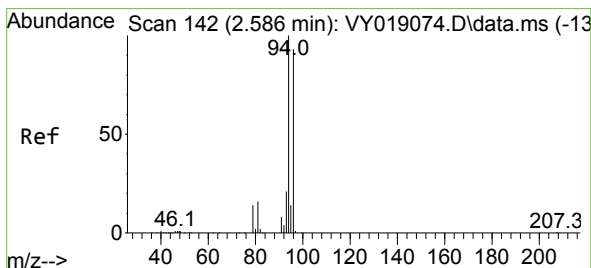
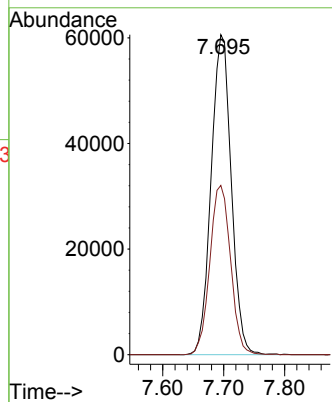
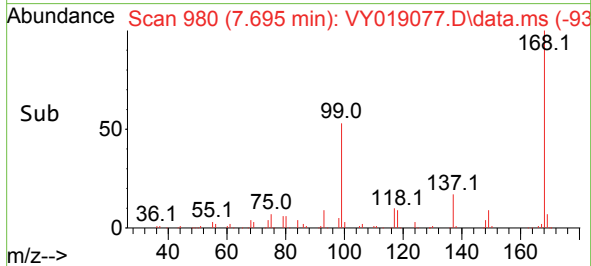


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Instrument :
MSVOA_Y
ClientSampleId :

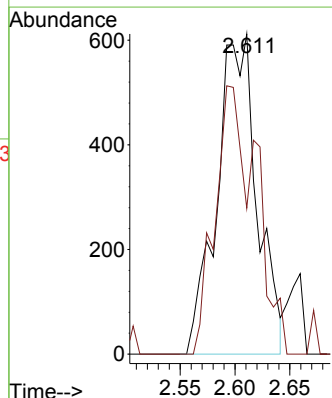
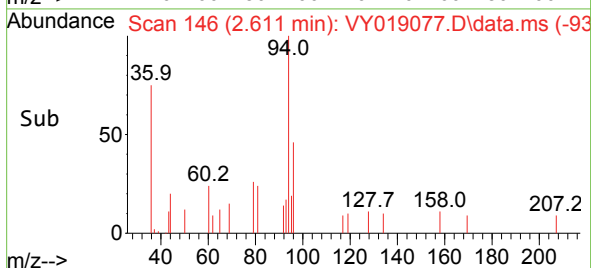
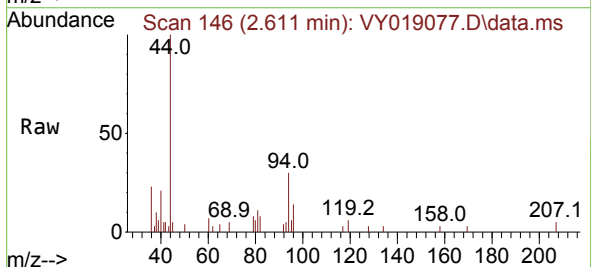


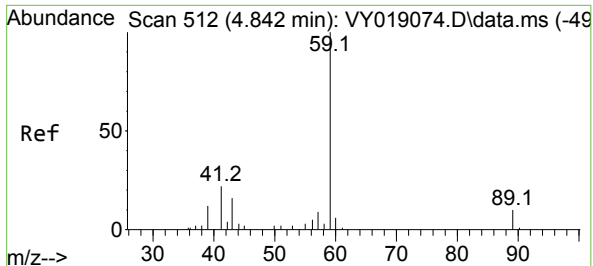
Tgt Ion:168 Resp: 139105
Ion Ratio Lower Upper
168 100
99 52.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Tgt Ion: 94 Resp: 1555
Ion Ratio Lower Upper
94 100
96 45.6 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.805 min Scan# 50

Delta R.T. -0.037 min

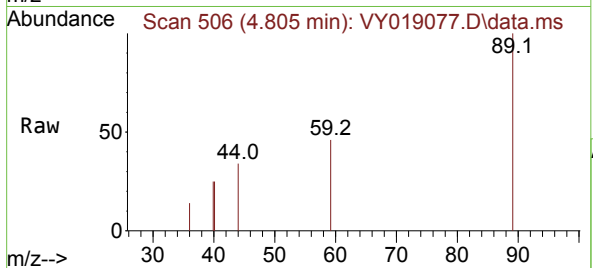
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

MSVOA_Y

ClientSampleId :

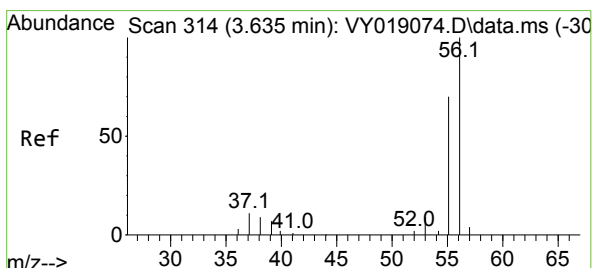
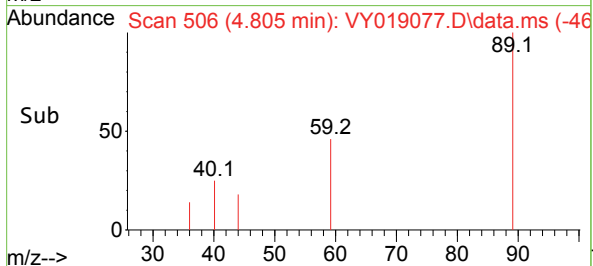
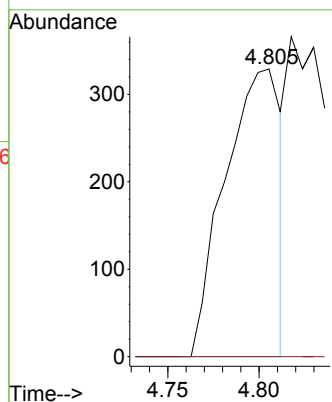


Tgt Ion: 59 Resp: 696

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. 0.018 min

Lab File: VY019077.D

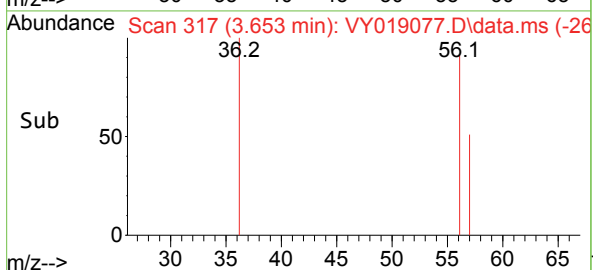
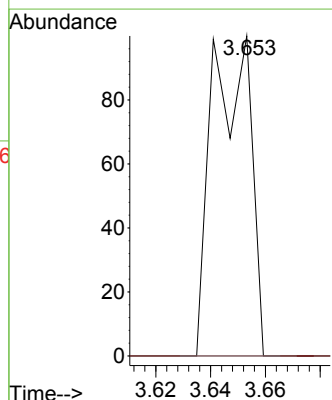
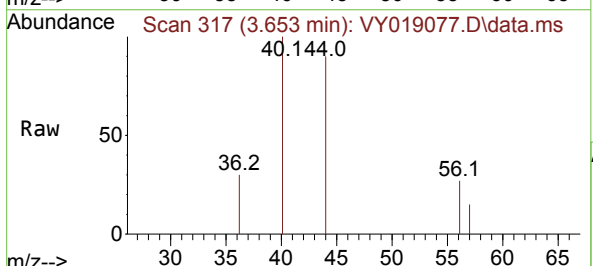
Acq: 15 Aug 2024 20:15

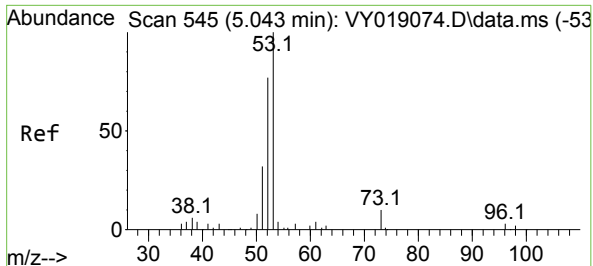
Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

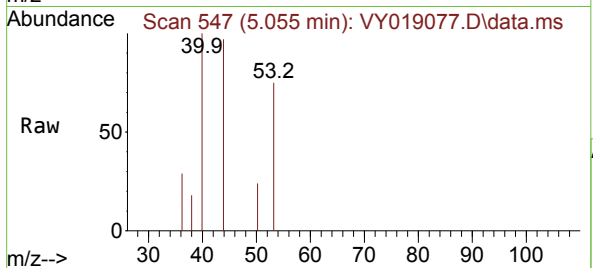
55 0.0 55.7 83.5#



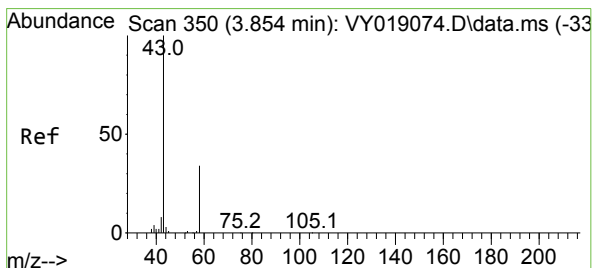
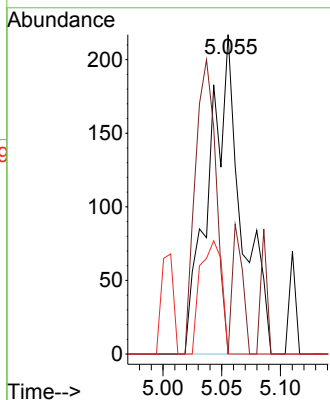
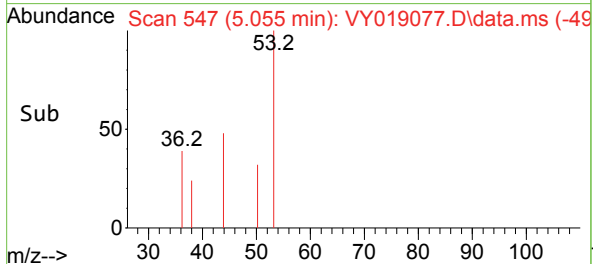


#15
Acrylonitrile
Concen: 1.374 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.013 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Instrument :
MSVOA_Y
ClientSampleId :

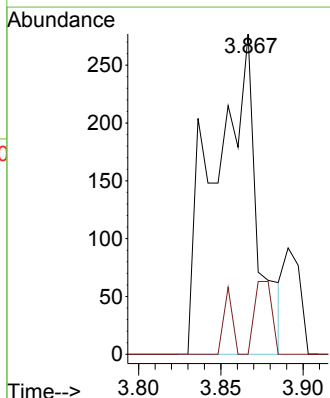
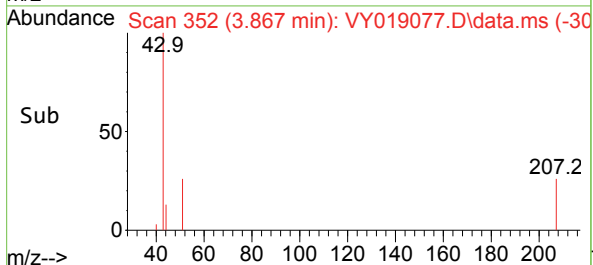
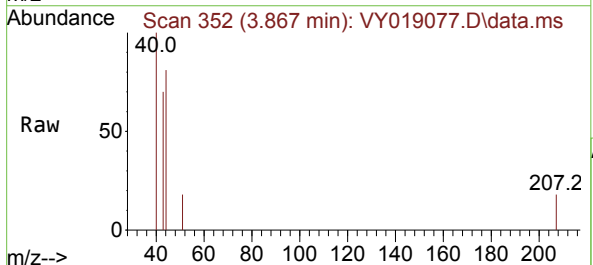


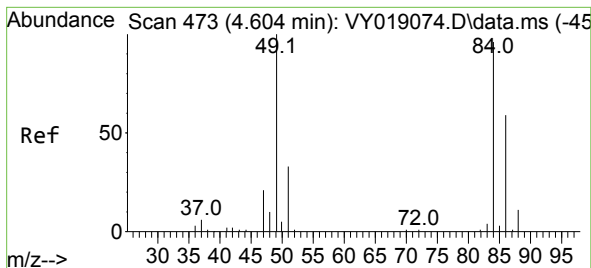
Tgt Ion: 53 Resp: 417
Ion Ratio Lower Upper
53 100
52 12.7 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 1.933 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.013 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

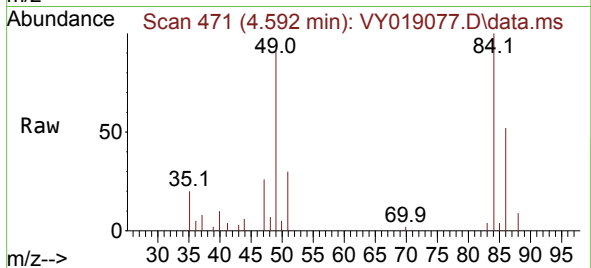
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9538

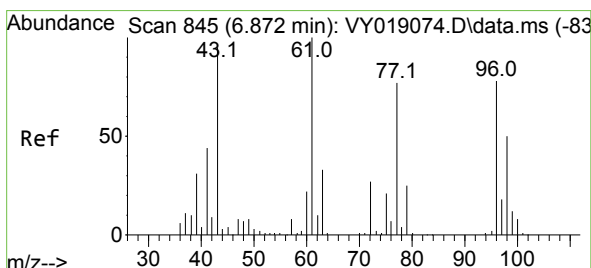
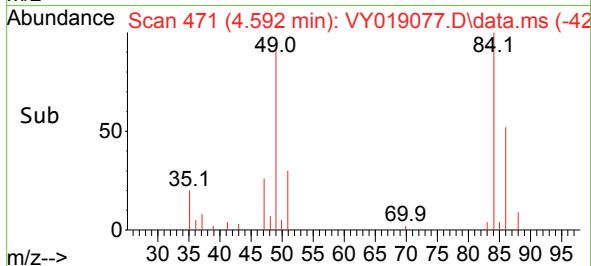
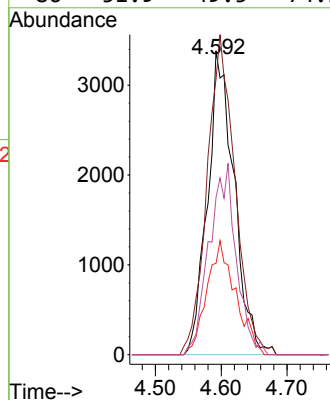
Ion Ratio Lower Upper

84 100

49 90.8 84.4 126.6

51 30.1 26.0 39.0

86 51.9 49.5 74.3



#25

2-Butanone

Concen: 2.271 ug/l

RT: 6.872 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY019077.D

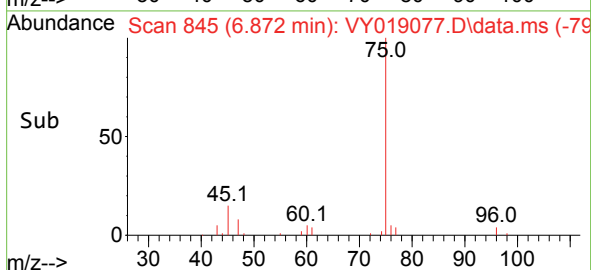
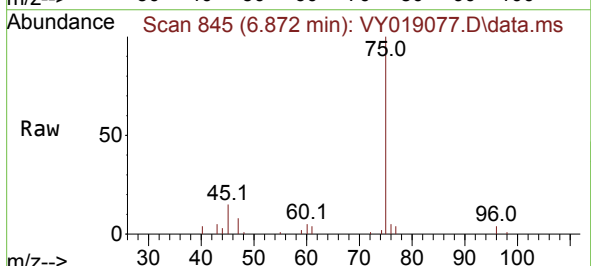
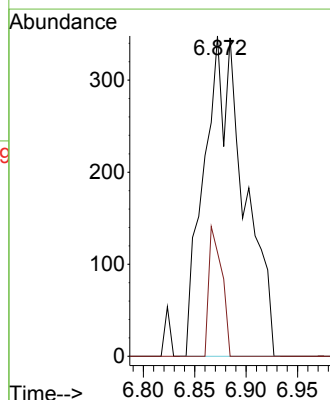
Acq: 15 Aug 2024 20:15

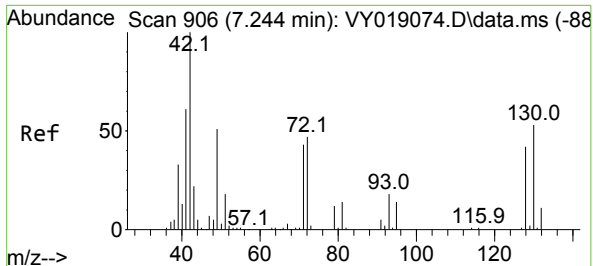
Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

72 32.5 27.3 40.9





#29

Tetrahydrofuran

Concen: 1.270 ug/l

RT: 7.256 min Scan# 906

Delta R.T. 0.013 min

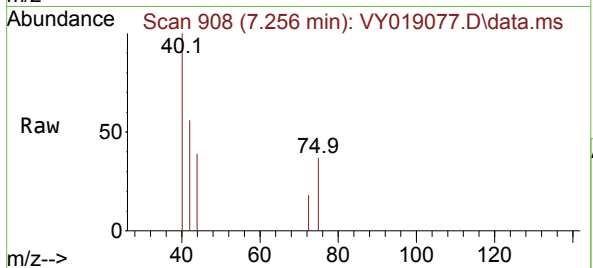
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

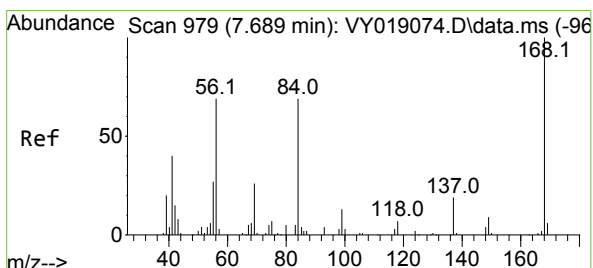
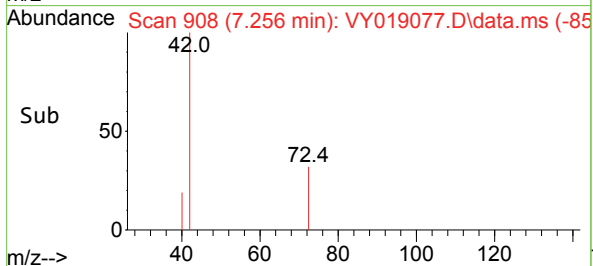
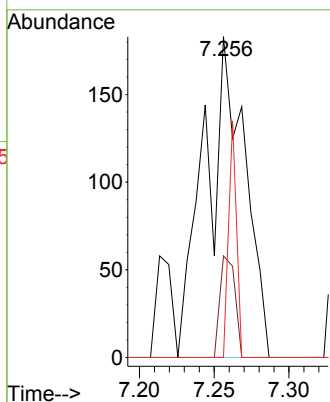
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	340
Ion	Ratio	Lower	Upper
42	100		
72	11.8	43.0	64.4#
71	14.4	40.8	61.2#



#31

Cyclohexane

Concen: Below Cal

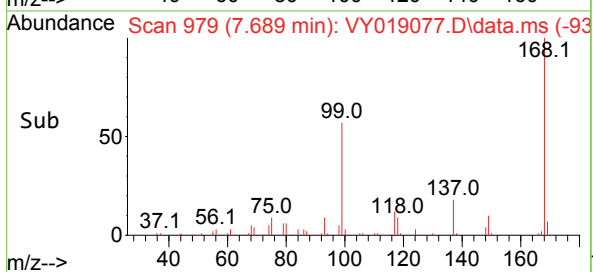
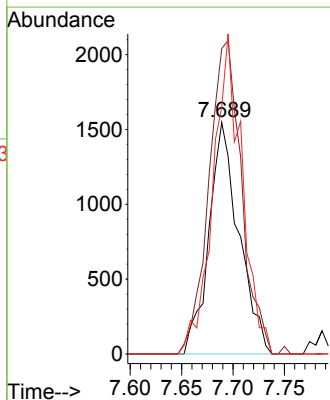
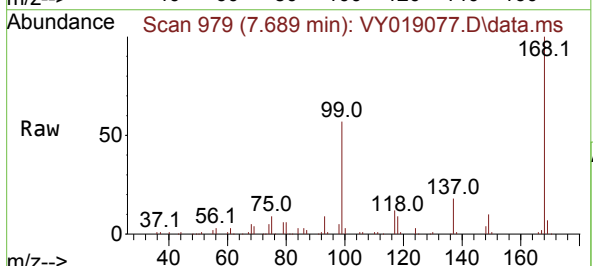
RT: 7.689 min Scan# 979

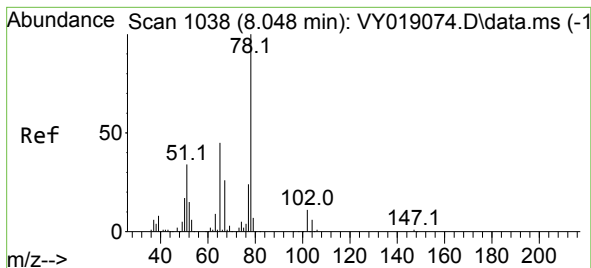
Delta R.T. 0.000 min

Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Tgt Ion:	56	Resp:	3134
Ion	Ratio	Lower	Upper
56	100		
69	131.9	28.7	43.1#
84	106.5	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 47.042 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

MSVOA_Y

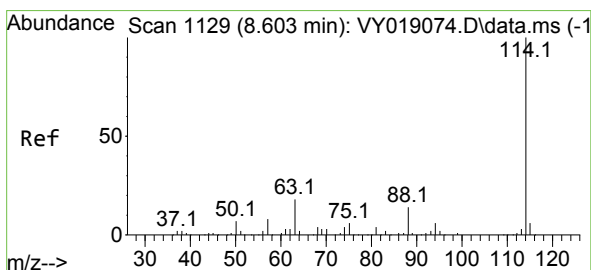
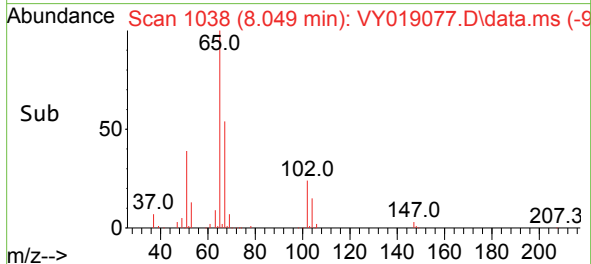
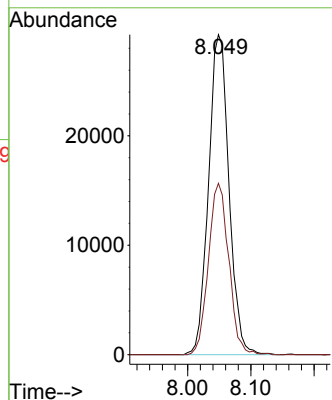
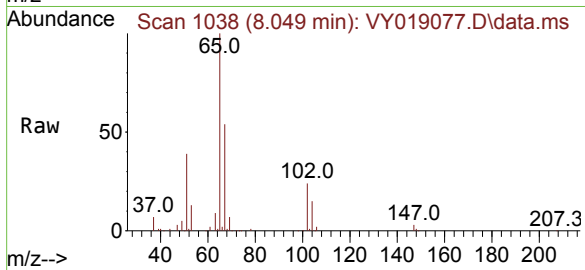
ClientSampleId :

Tgt Ion: 65 Resp: 65596

Ion Ratio Lower Upper

65 100

67 53.4 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: VY019077.D

Acq: 15 Aug 2024 20:15

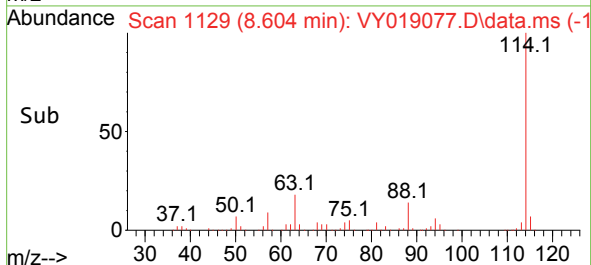
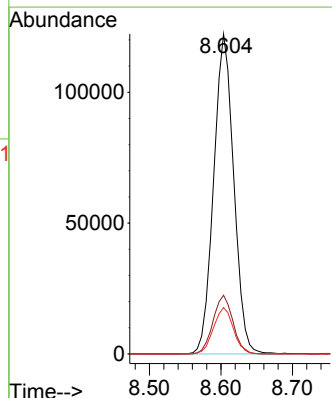
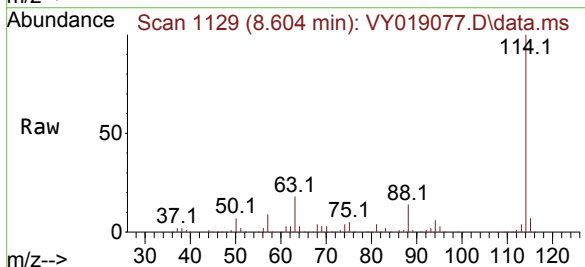
Tgt Ion: 114 Resp: 238218

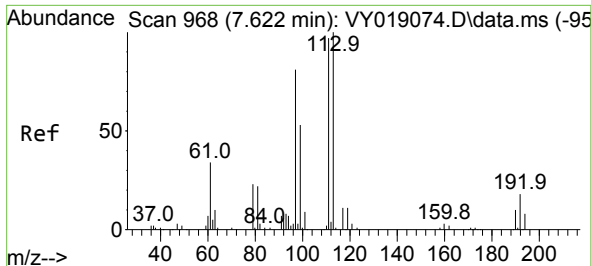
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

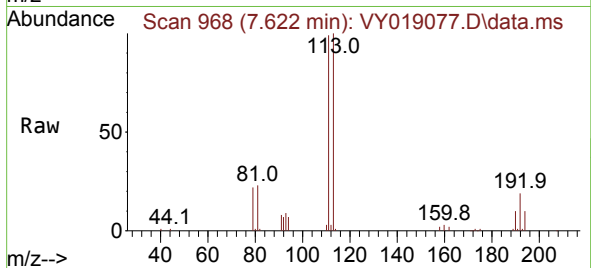
88 14.5 0.0 27.2



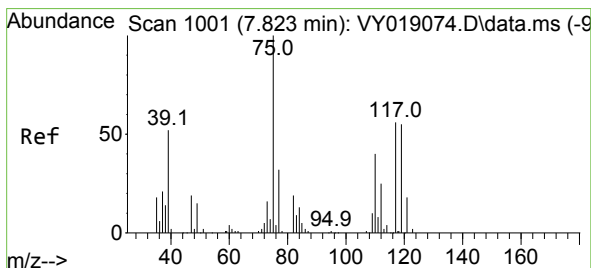
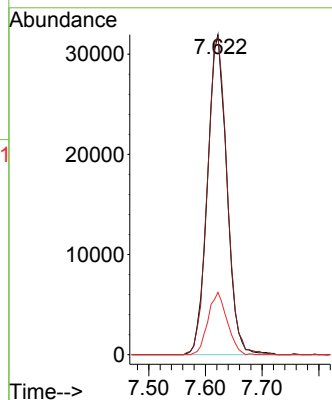
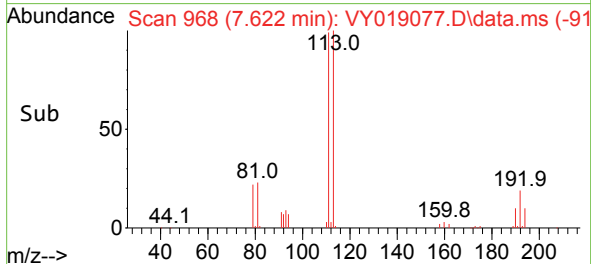


#35
Dibromofluoromethane
Concen: 48.544 ug/l
RT: 7.622 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

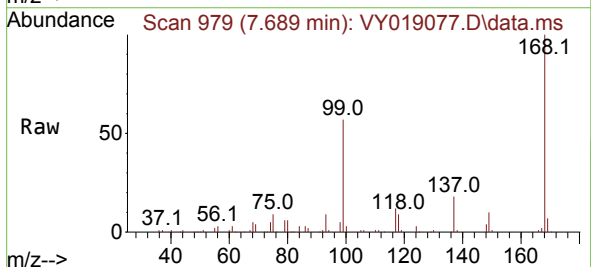
Instrument :
MSVOA_Y
ClientSampleId :



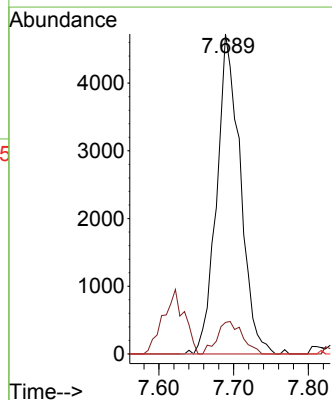
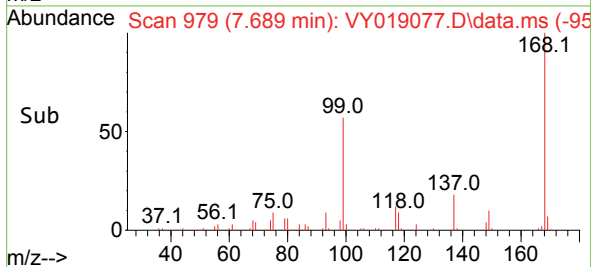
Tgt Ion:113 Resp: 75612
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 19.3 15.9 23.9

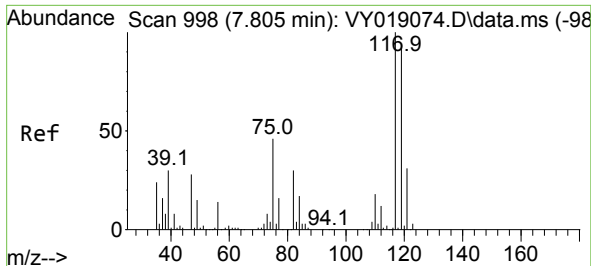


#36
1,1-Dichloropropene
Concen: 4.832 ug/l
RT: 7.689 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15



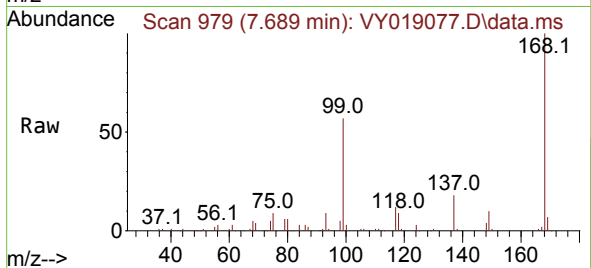
Tgt Ion: 75 Resp: 10336
Ion Ratio Lower Upper
75 100
110 10.9 19.0 57.0#
77 0.0 25.3 37.9#



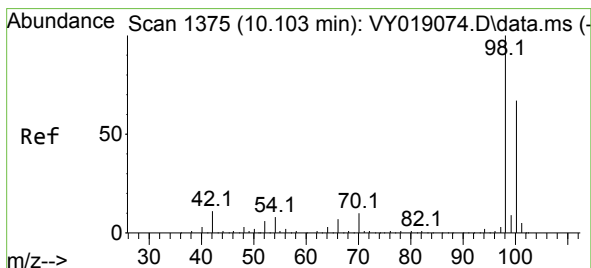
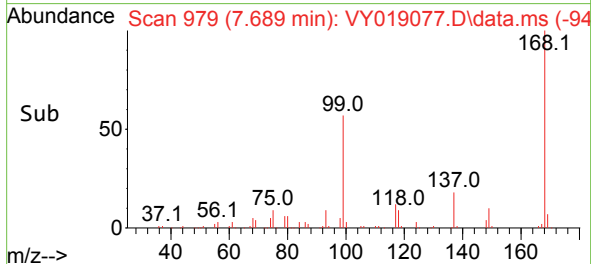
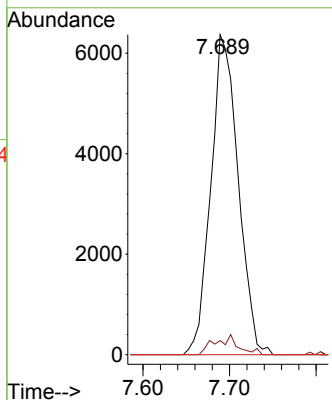


#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 7.689 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Instrument :
MSVOA_Y
ClientSampleId :

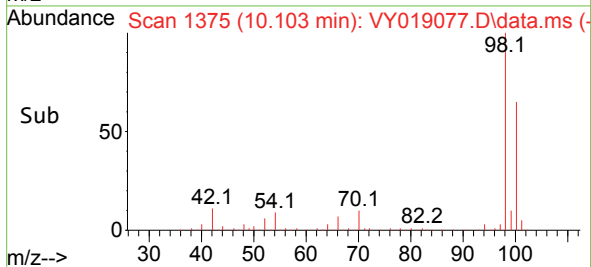
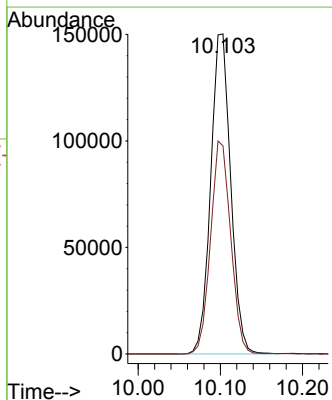
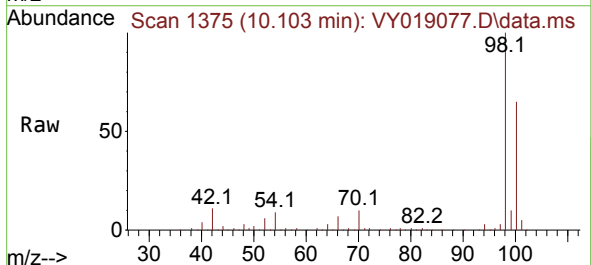


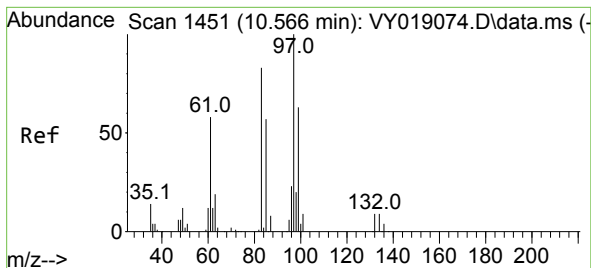
Tgt Ion:117 Resp: 13970
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.392 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Tgt Ion: 98 Resp: 254435
Ion Ratio Lower Upper
98 100
100 66.9 52.0 78.0





#55

1,1,2-Trichloroethane

Concen: 1.044 ug/l

RT: 10.499 min Scan# 14

Delta R.T. -0.067 min

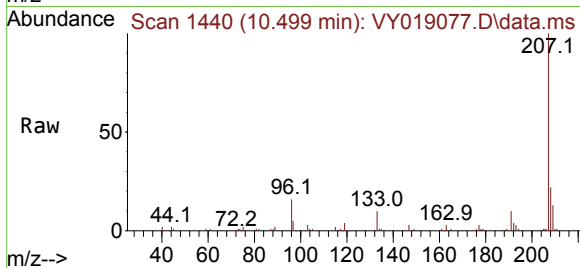
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 1274

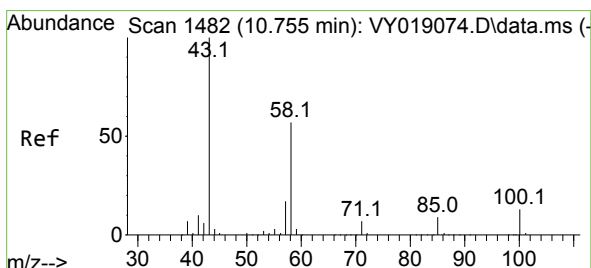
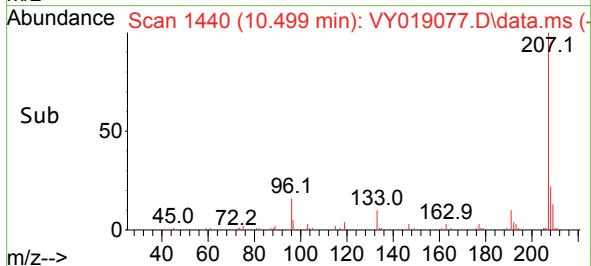
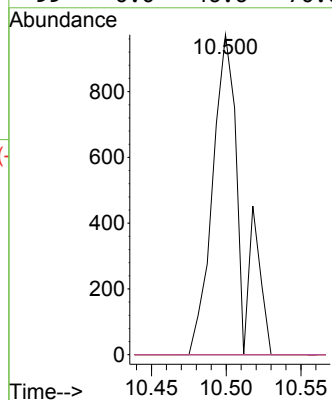
Ion Ratio Lower Upper

97 100

83 0.0 67.5 101.3#

85 0.0 42.9 64.3#

99 0.0 46.6 70.0#



#59

2-Hexanone

Concen: 1.066 ug/l

RT: 10.768 min Scan# 1484

Delta R.T. 0.013 min

Lab File: VY019077.D

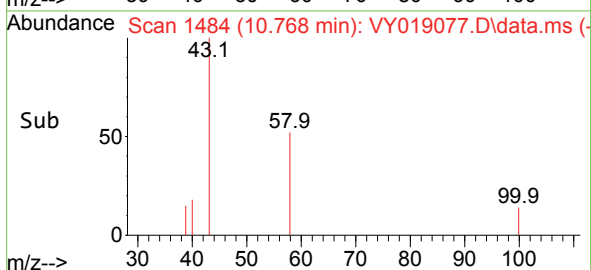
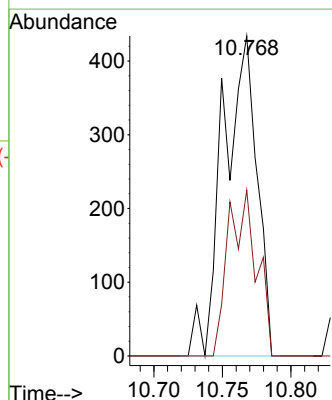
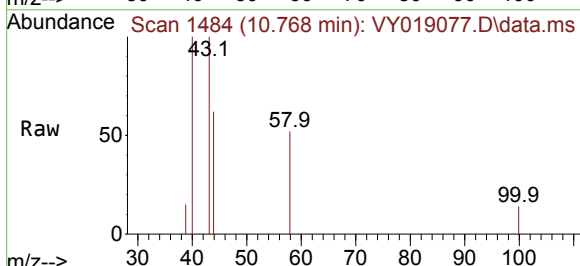
Acq: 15 Aug 2024 20:15

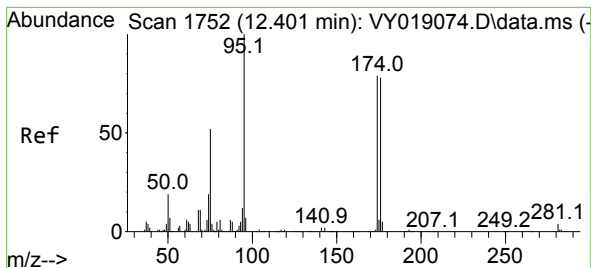
Tgt Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

58 43.4 31.4 94.0

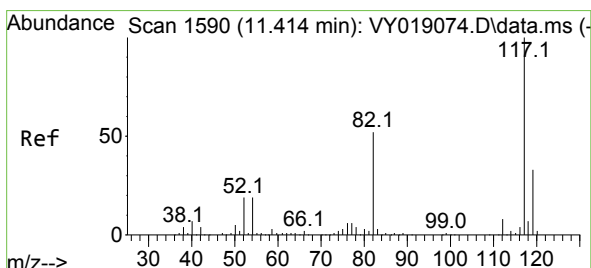
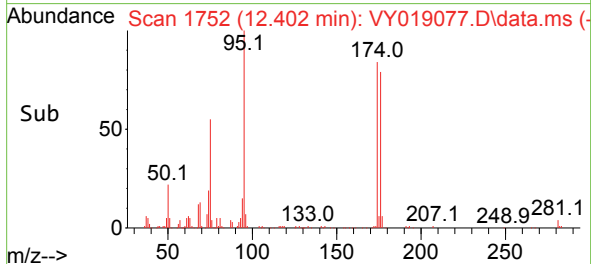
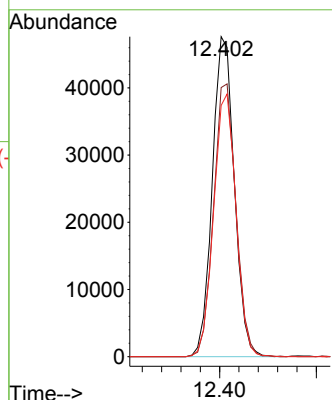
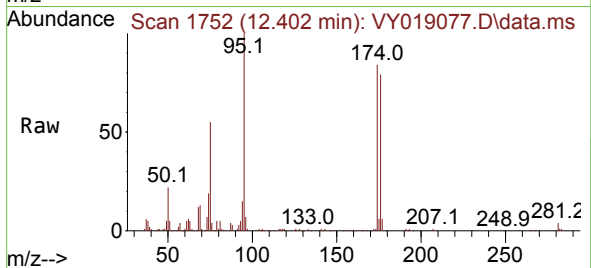




#62
4-Bromofluorobenzene
Concen: 39.343 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

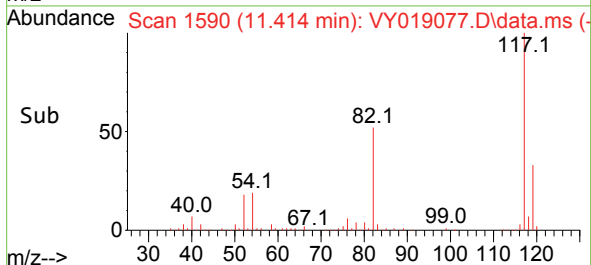
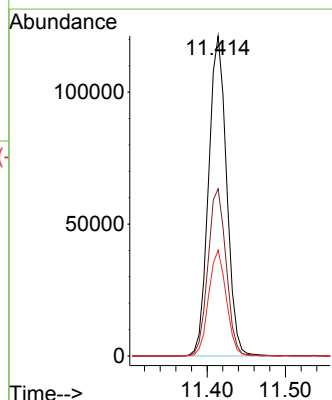
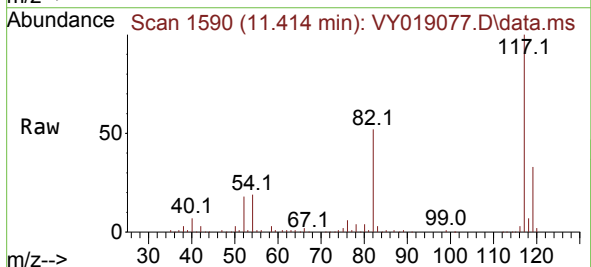
Instrument :
MSVOA_Y
ClientSampleId :

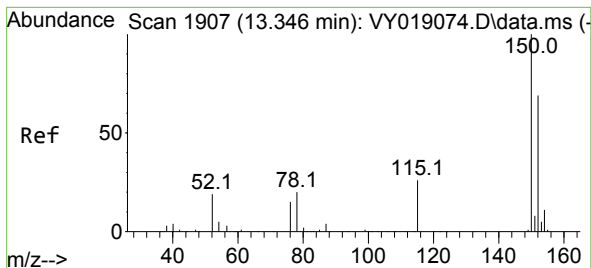
Tgt Ion: 95 Resp: 75178
Ion Ratio Lower Upper
95 100
174 86.6 0.0 175.6
176 83.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Tgt Ion: 117 Resp: 193792
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 33.1 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: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

MSVOA_Y

ClientSampleId :

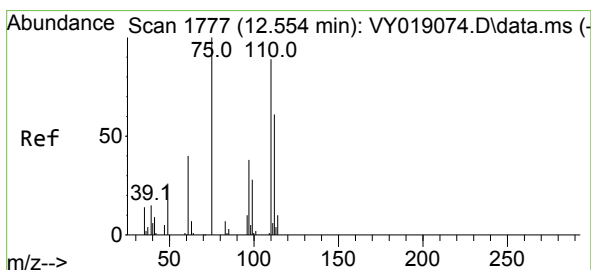
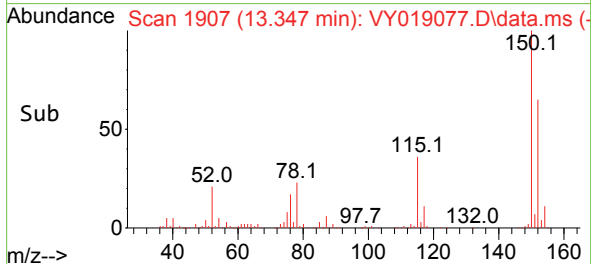
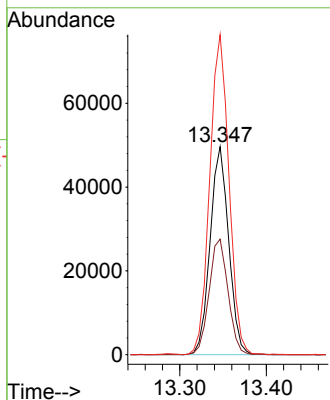
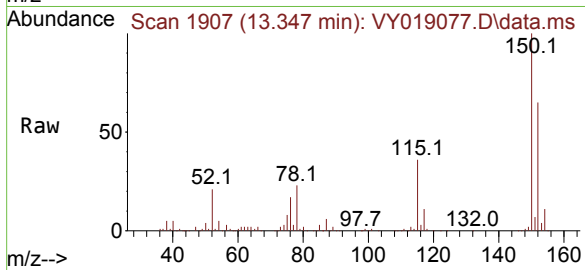
Tgt Ion:152 Resp: 74023

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 158.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.722 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019077.D

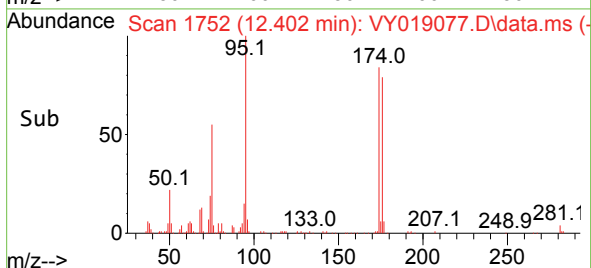
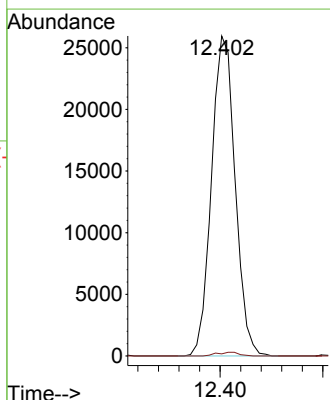
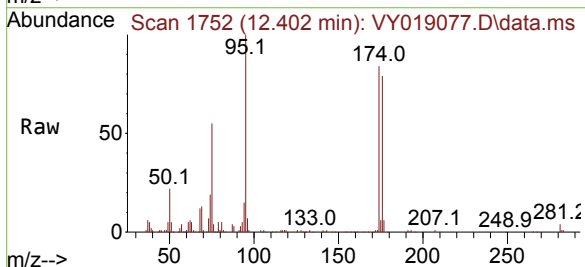
Acq: 15 Aug 2024 20:15

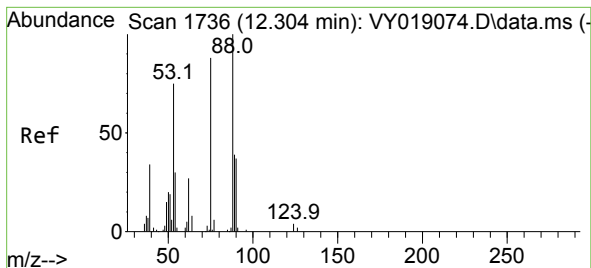
Tgt Ion: 75 Resp: 41407

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

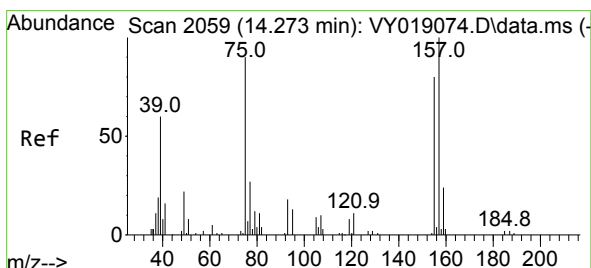
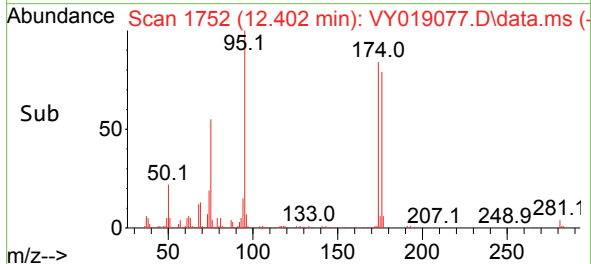
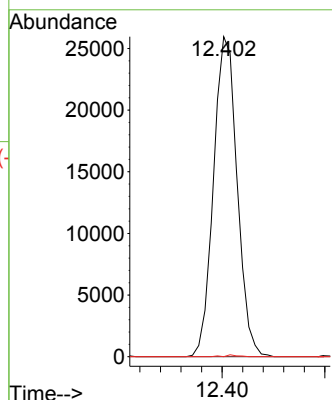
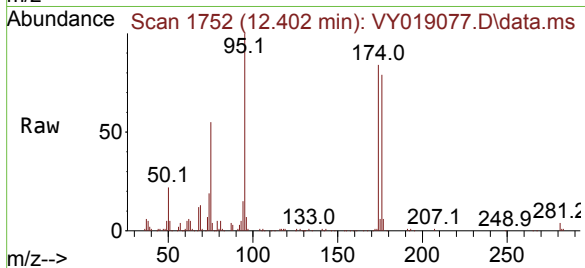




#81
trans-1,4-Dichloro-2-butene
Concen: 140.084 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

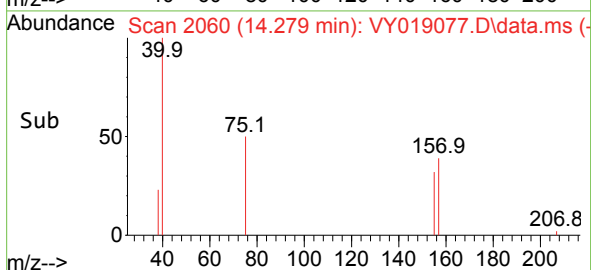
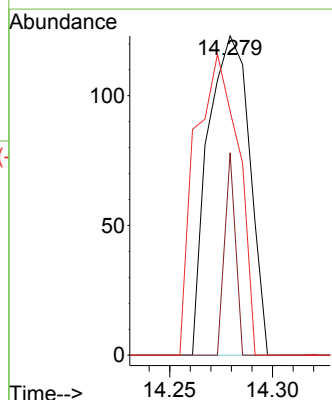
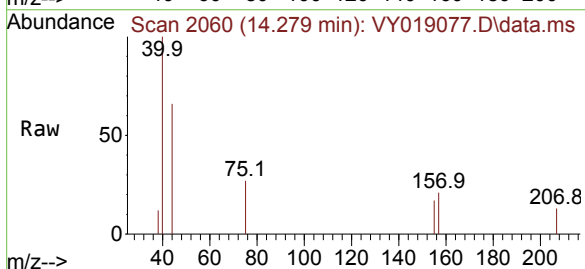
Instrument :
MSVOA_Y
ClientSampleId :

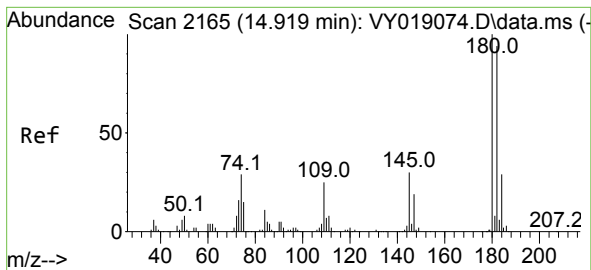
Tgt Ion: 75 Resp: 41407
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.164 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY019077.D
Acq: 15 Aug 2024 20:15

Tgt Ion: 75 Resp: 173
Ion Ratio Lower Upper
75 100
155 16.8 48.6 145.8#
157 97.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 1.571 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

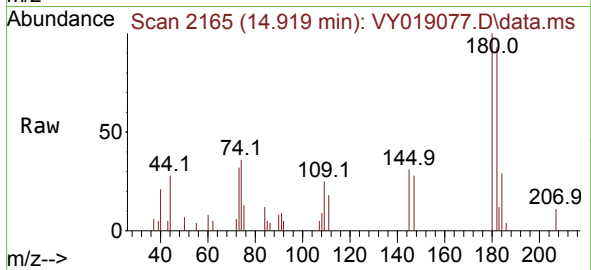
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Instrument :

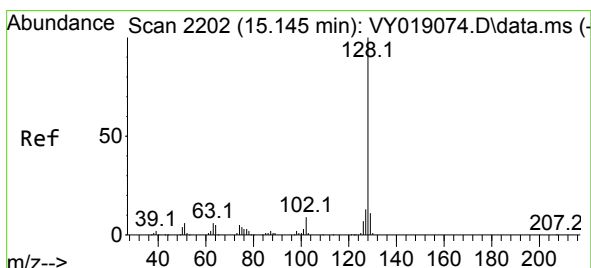
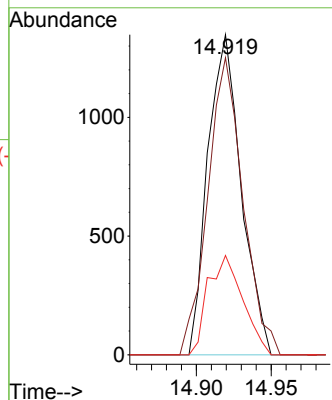
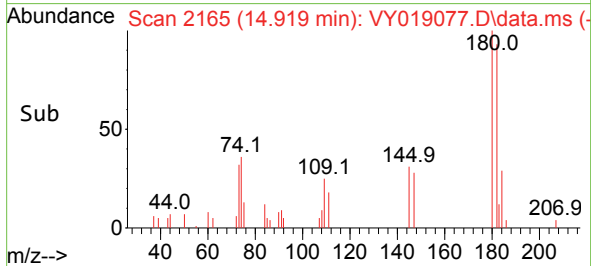
MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 2094

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.8
145	32.3	14.2	42.6



#95

Naphthalene

Concen: 2.085 ug/l

RT: 15.145 min Scan# 2202

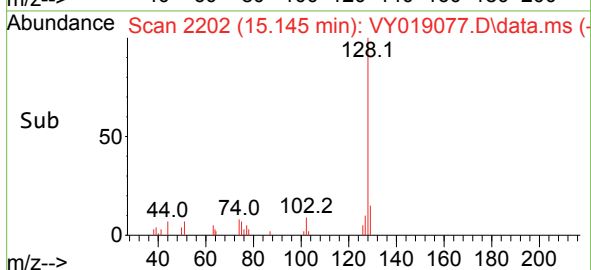
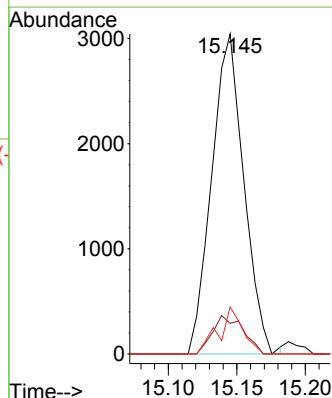
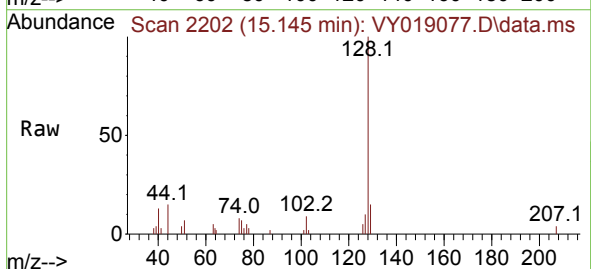
Delta R.T. 0.000 min

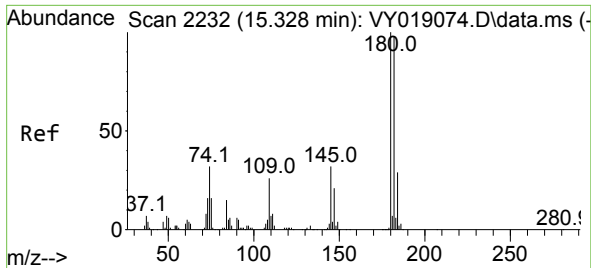
Lab File: VY019077.D

Acq: 15 Aug 2024 20:15

Tgt Ion:128 Resp: 4960

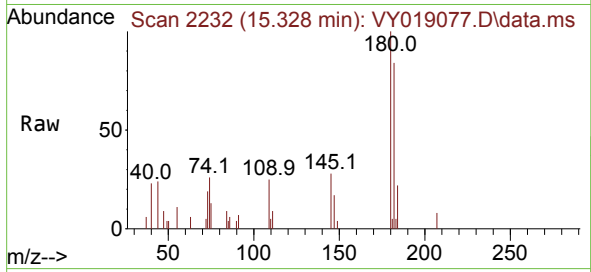
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.6	16.0
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.083 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019077.D
 Acq: 15 Aug 2024 20:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	2341
Ion	Ratio	Lower	Upper
180	100		
182	85.5	47.6	142.9
145	34.4	15.4	46.1

