

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009730.D
 Acq On : 27 Jul 2022 17:26
 Operator : KP/MD
 Sample : N3942-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977

Quant Time: Jul 28 02:46:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

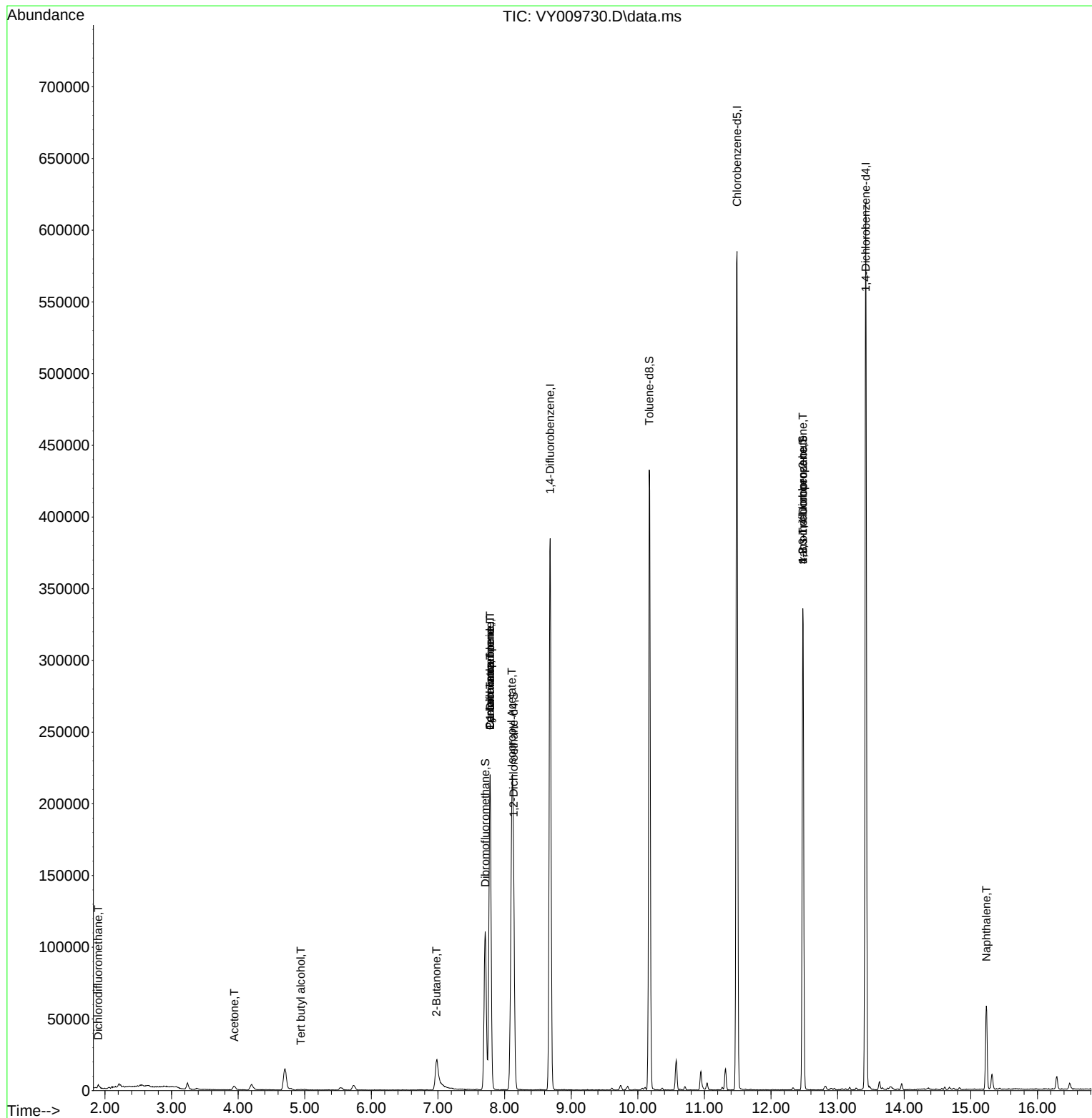
Internal Standards						
1) Pentafluorobenzene	7.783	168	180964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	340645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81555	69.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.500%
35) Dibromofluoromethane	7.710	113	79127	42.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.420%
50) Toluene-d8	10.173	98	289192	53.931	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	107.860%
62) 4-Bromofluorobenzene	12.477	95	96838	39.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	78.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1779	1.104	ug/l	99
11) Tert butyl alcohol	4.942	59	859	4.023	ug/l #	77
16) Acetone	3.942	43	5330	12.319	ug/l	99
18) Methyl Acetate	4.472	43	126	Below Cal	#	56
20) Methylene Chloride	4.698	84	11640	Below Cal	#	84
25) 2-Butanone	6.978	43	1333	2.088	ug/l #	87
31) Cyclohexane	7.783	56	3235	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12619	4.186	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16627	5.147	ug/l #	17
43) Isopropyl Acetate	8.106	43	3935	1.261	ug/l #	2
76) 1,2,3-Trichloropropane	12.477	75	48686	31.639	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48686	63.067	ug/l #	7
95) Naphthalene	15.233	128	51682	8.858	ug/l	99

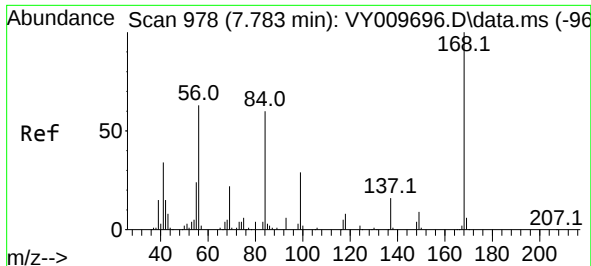
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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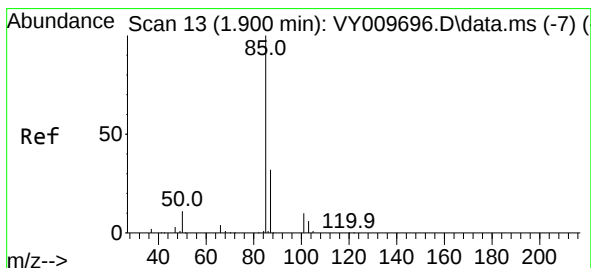
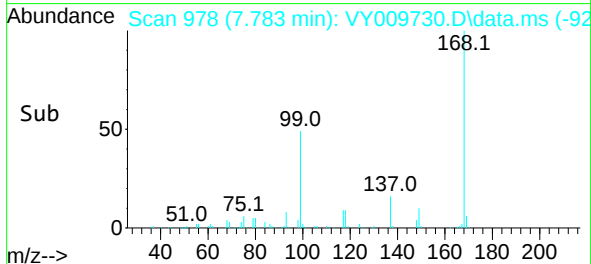
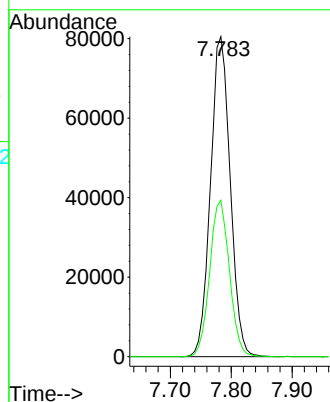
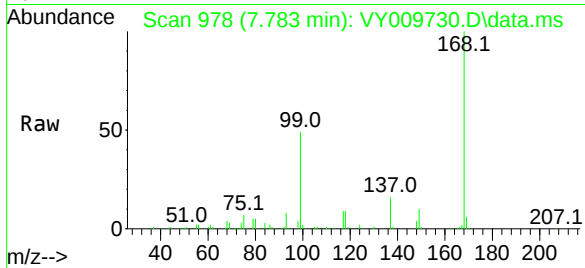




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

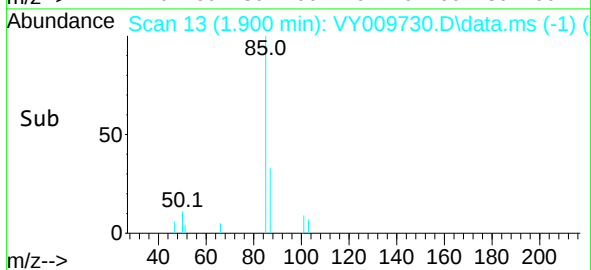
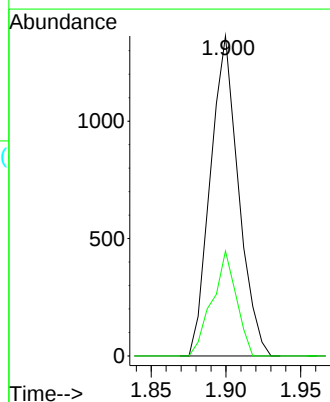
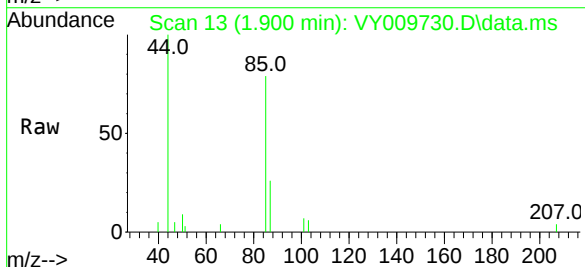
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

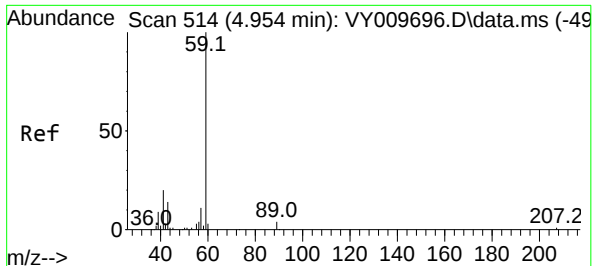
Tgt Ion:168 Resp: 180964
Ion Ratio Lower Upper
168 100
99 48.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.104 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

Tgt Ion: 85 Resp: 1779
Ion Ratio Lower Upper
85 100
87 32.8 16.1 48.2





#11

Tert butyl alcohol

Concen: 4.023 ug/l

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

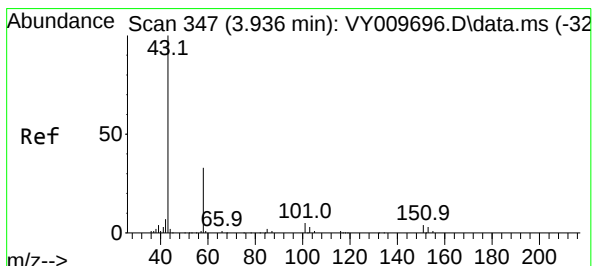
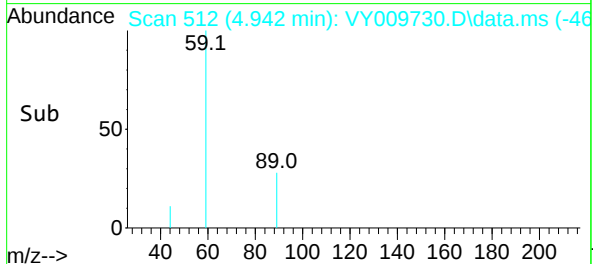
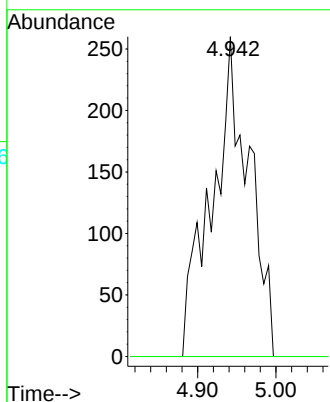
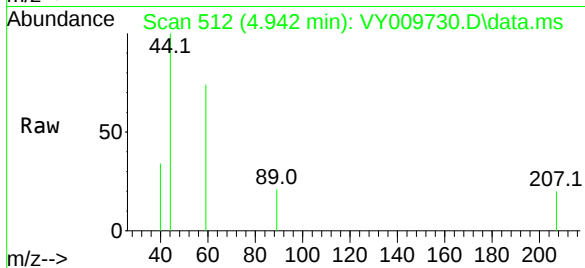
72-11977

Tgt Ion: 59 Resp: 859

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 12.319 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009730.D

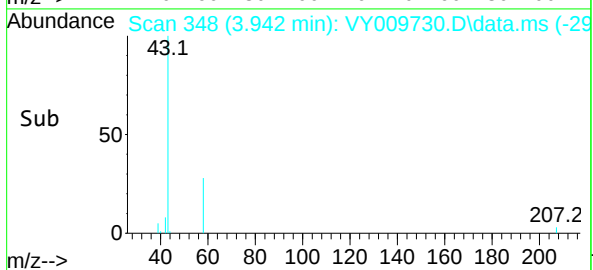
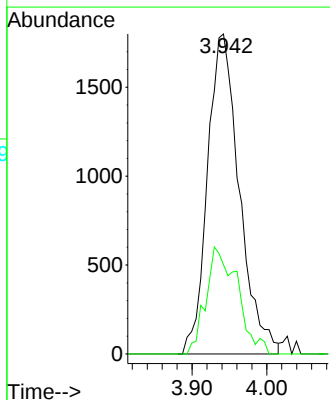
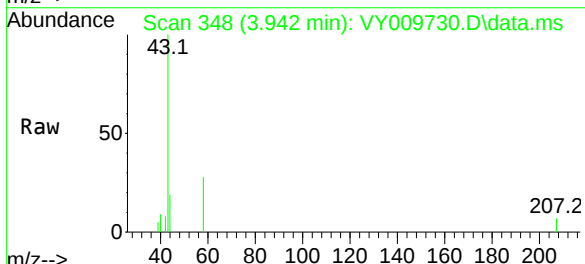
Acq: 27 Jul 2022 17:26

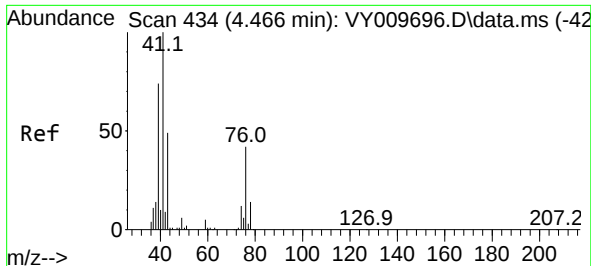
Tgt Ion: 43 Resp: 5330

Ion Ratio Lower Upper

43 100

58 27.9 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

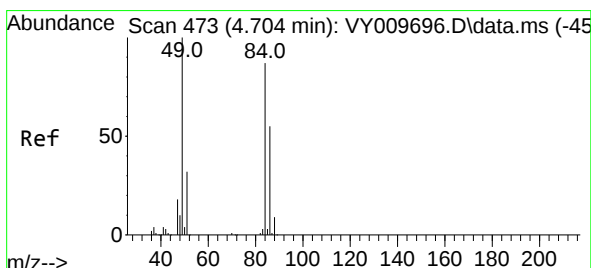
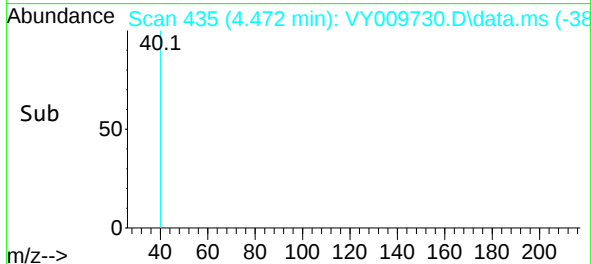
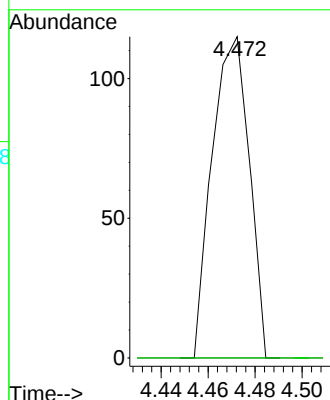
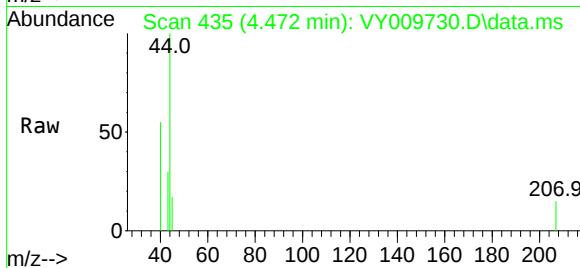
72-11977

Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

Tgt Ion: 84 Resp: 11640

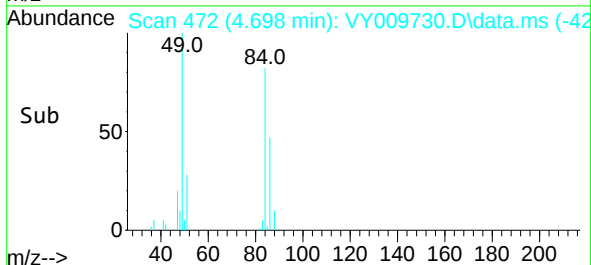
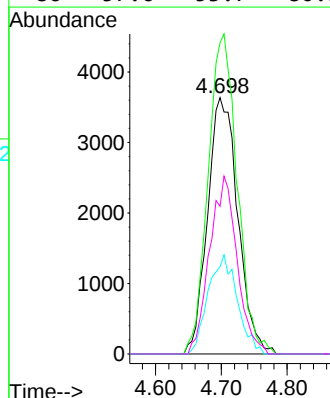
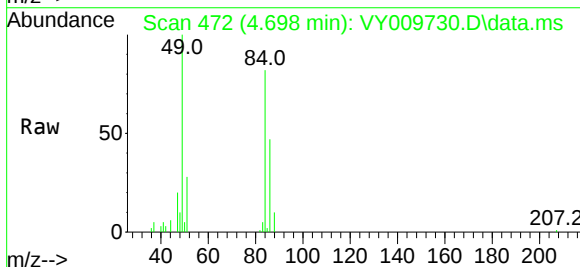
Ion Ratio Lower Upper

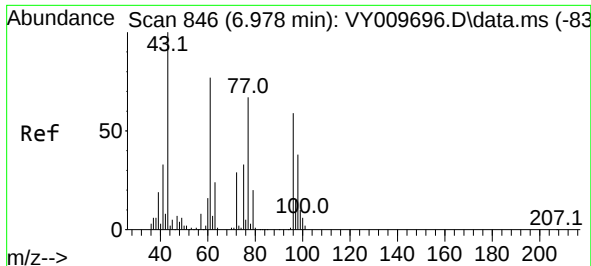
84 100

49 121.4 114.4 171.6

51 34.0 35.3 52.9#

86 57.6 53.7 80.5

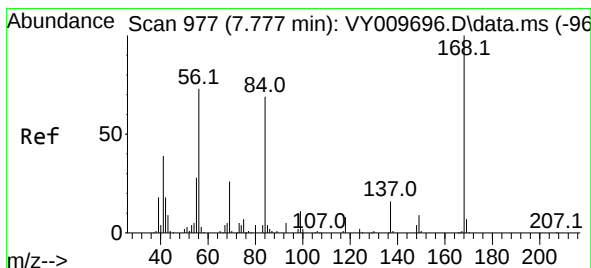
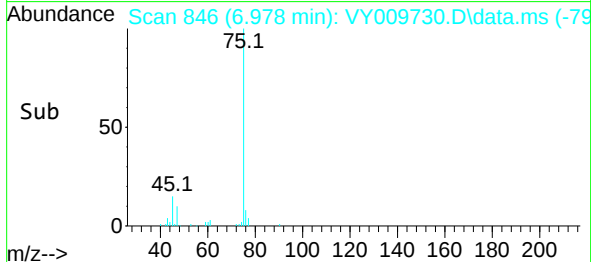
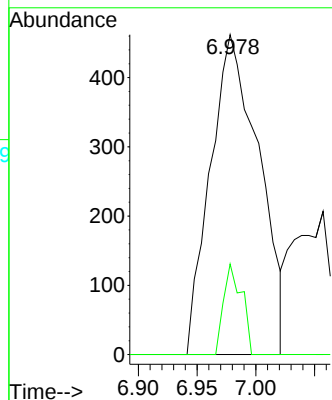
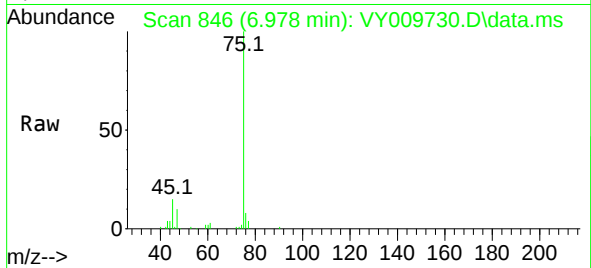




#25
2-Butanone
Concen: 2.088 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

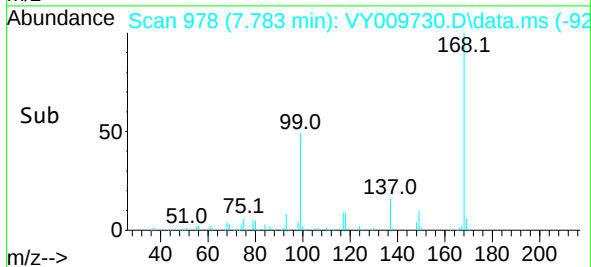
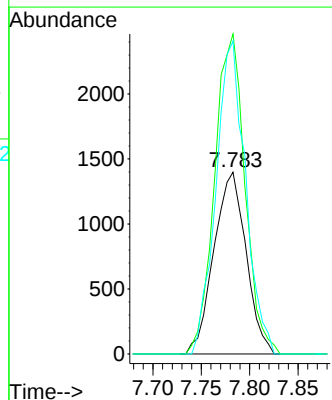
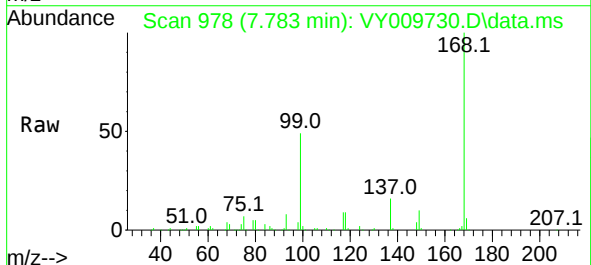
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

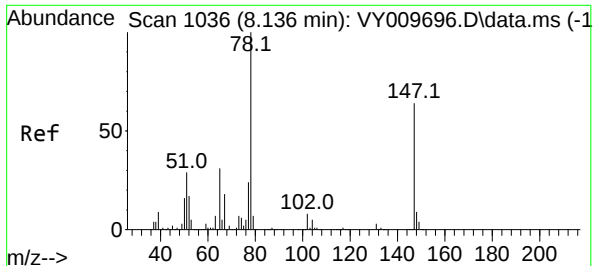
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
72 28.4 17.7 26.5#



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

Tgt Ion: 56 Resp: 3235
Ion Ratio Lower Upper
56 100
69 176.0 26.7 40.1#
84 172.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.747 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

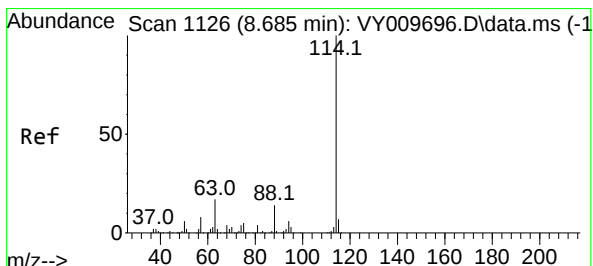
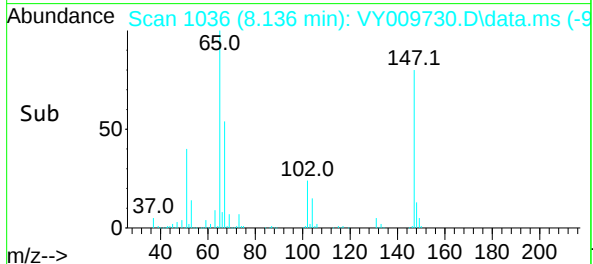
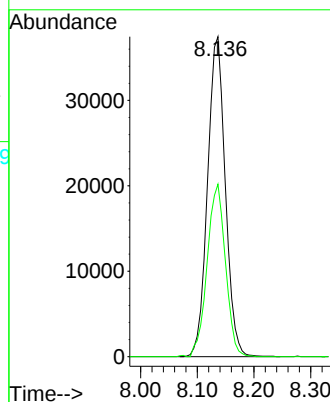
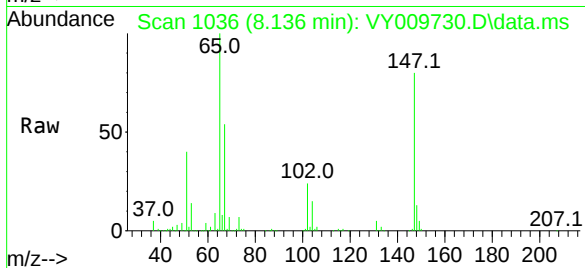
72-11977

Tgt Ion: 65 Resp: 81555

Ion Ratio Lower Upper

65 100

67 55.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

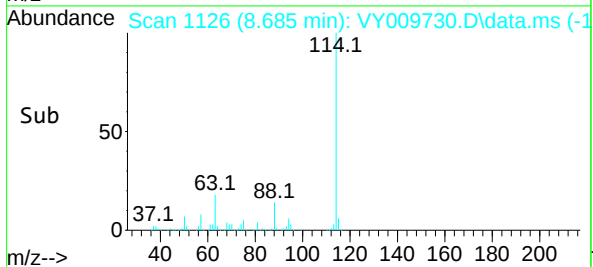
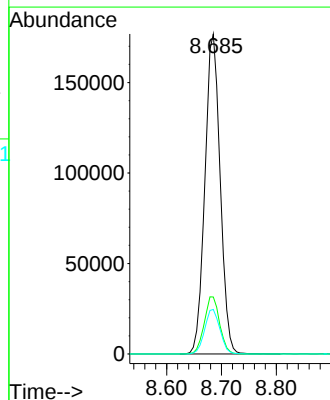
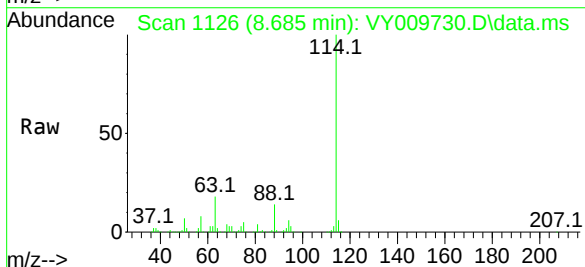
Tgt Ion:114 Resp: 340645

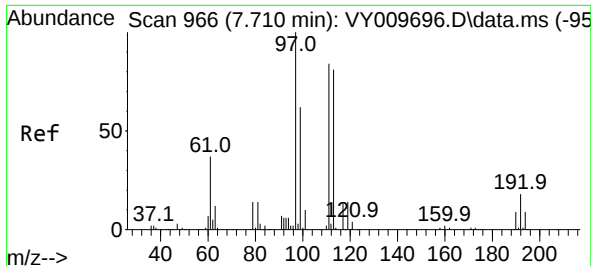
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 13.9 0.0 31.8

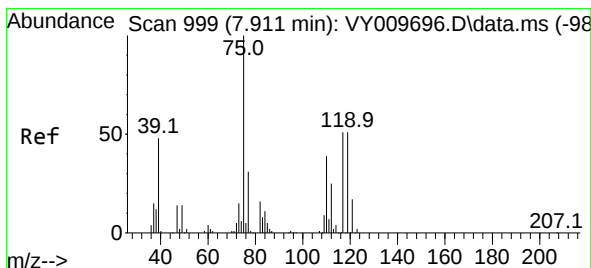
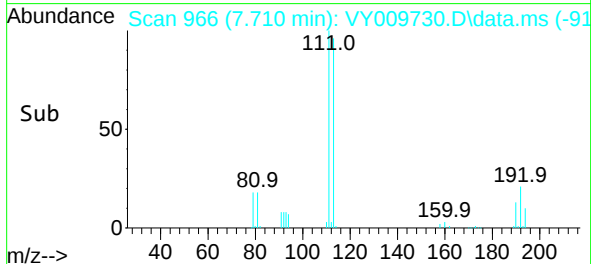
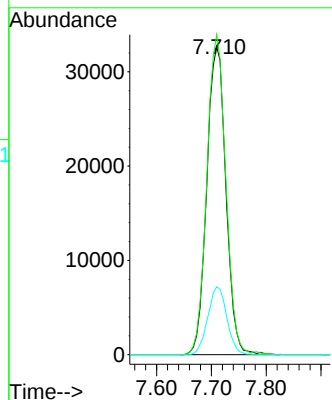
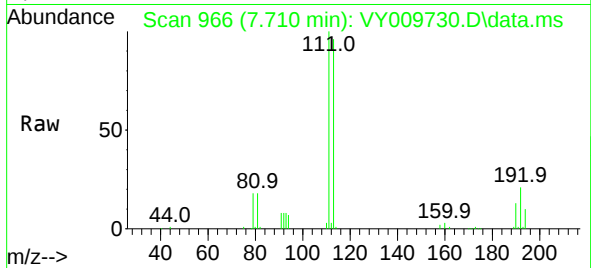




#35
Dibromofluoromethane
Concen: 42.710 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

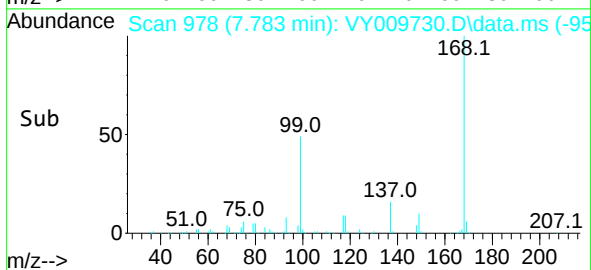
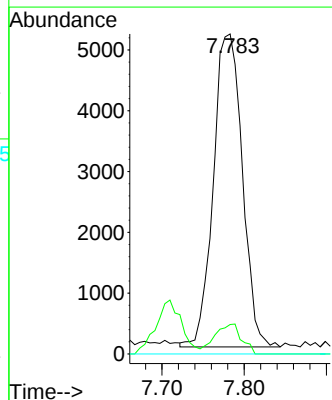
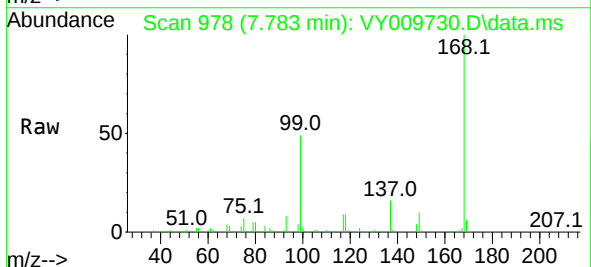
Instrument :
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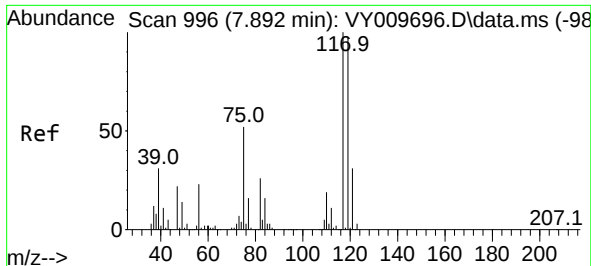
Tgt Ion:113 Resp: 79127
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 22.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

Tgt Ion: 75 Resp: 12619
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

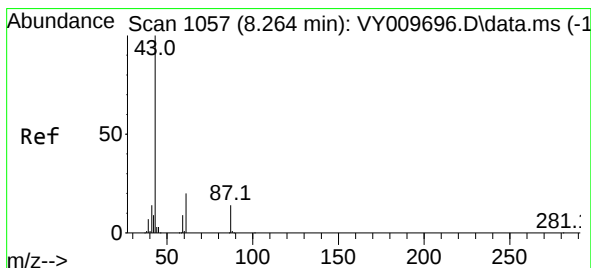
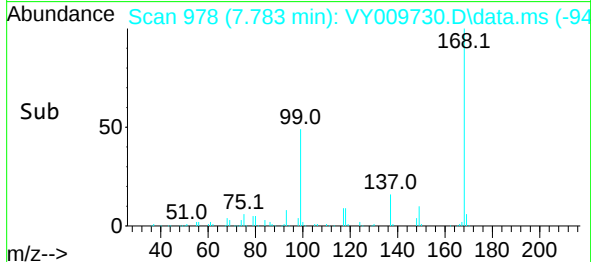
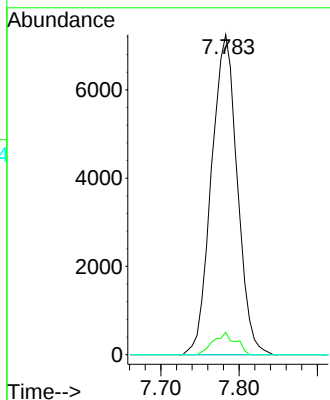
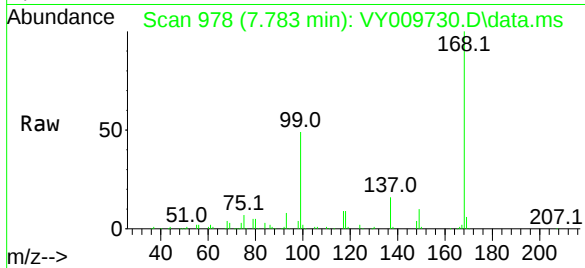




#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

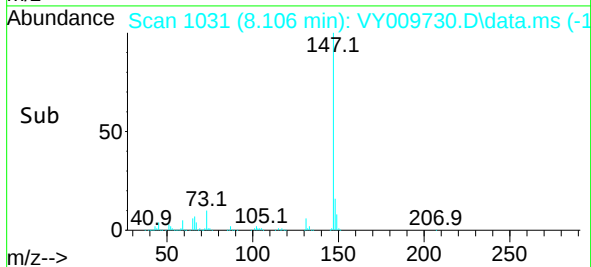
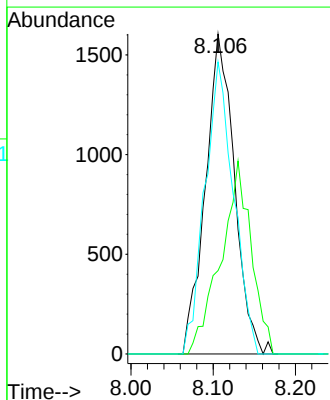
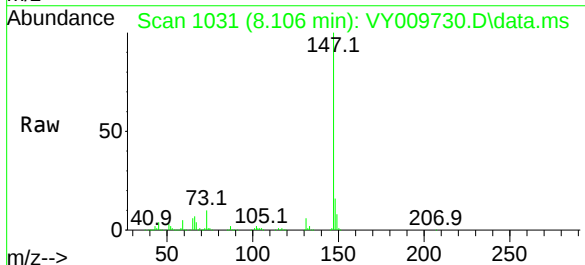
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

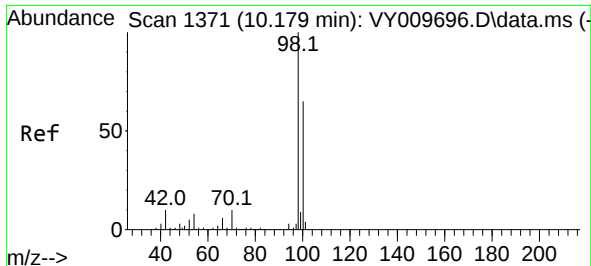
Tgt Ion:117 Resp: 16627
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.261 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.158 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 90.3 8.9 13.3#

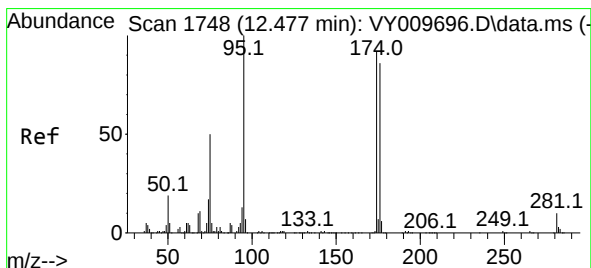
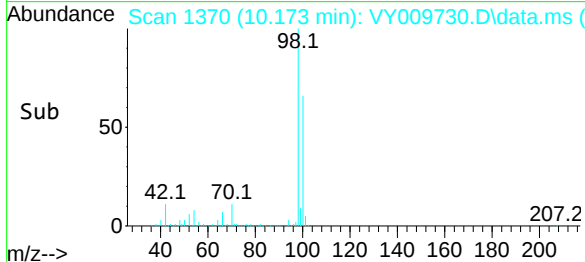
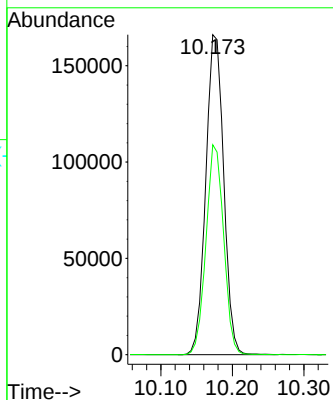
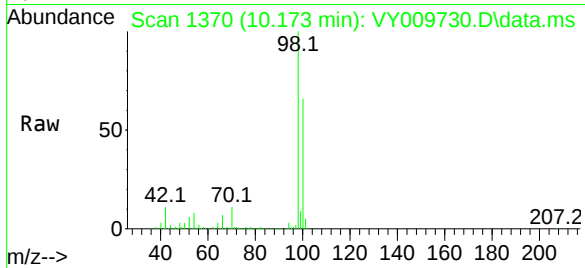




#50
Toluene-d8
Concen: 53.931 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

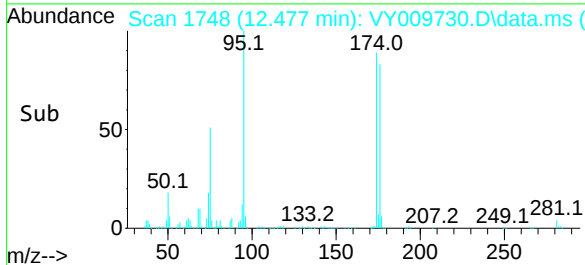
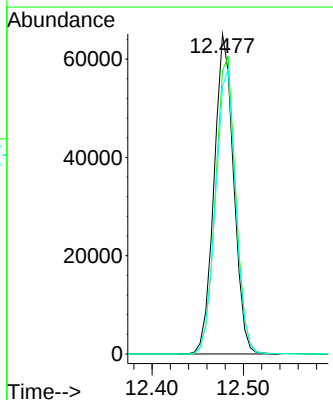
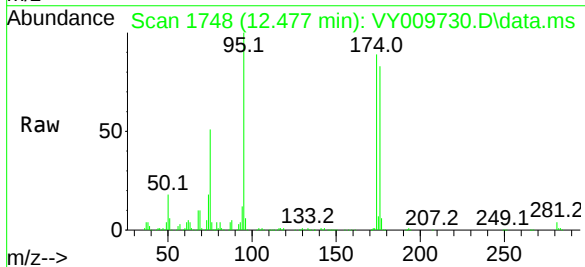
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

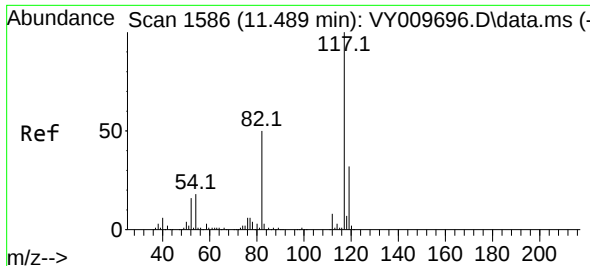
Tgt Ion: 98 Resp: 289192
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.419 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

Tgt Ion: 95 Resp: 96838
Ion Ratio Lower Upper
95 100
174 96.1 0.0 177.0
176 91.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

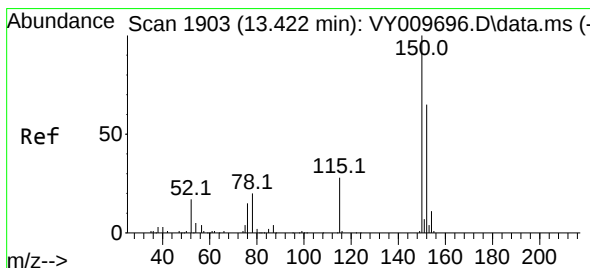
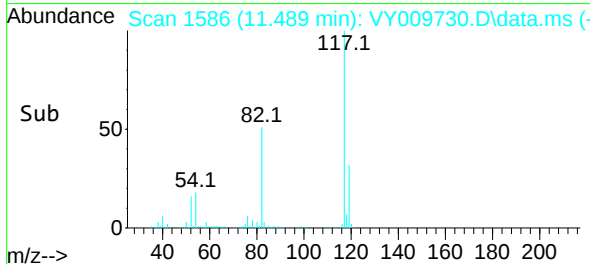
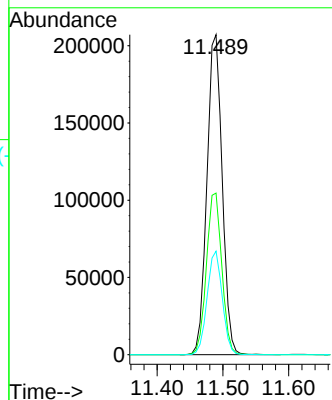
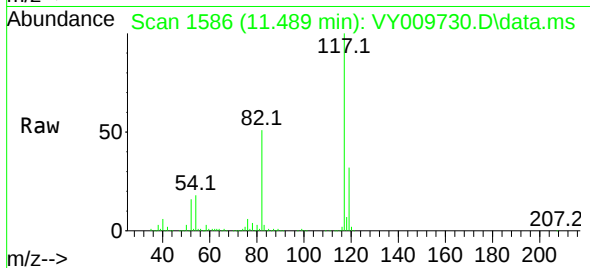
Tgt Ion:117 Resp: 334426

Ion Ratio Lower Upper

117 100

82 50.5 43.0 64.4

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009730.D

Acq: 27 Jul 2022 17:26

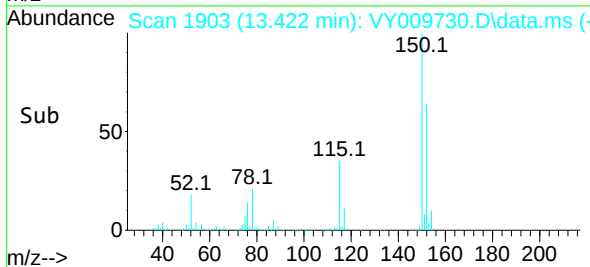
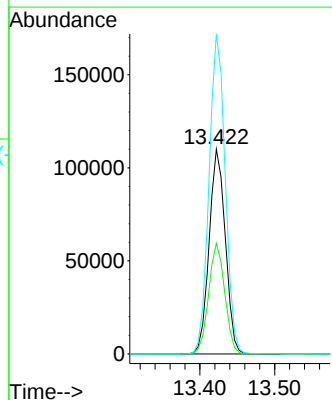
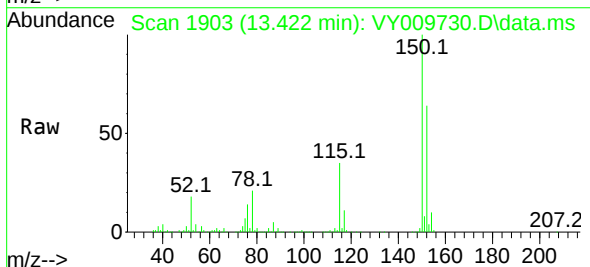
Tgt Ion:152 Resp: 165664

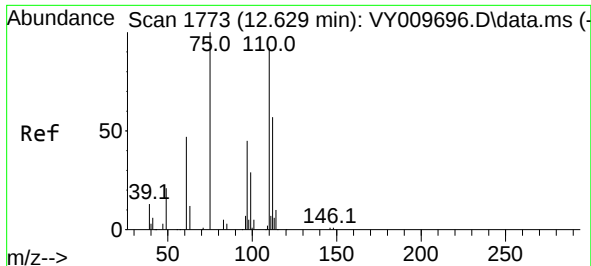
Ion Ratio Lower Upper

152 100

115 53.5 28.2 84.7

150 156.0 0.0 347.6

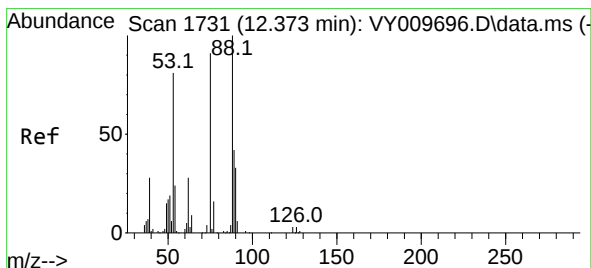
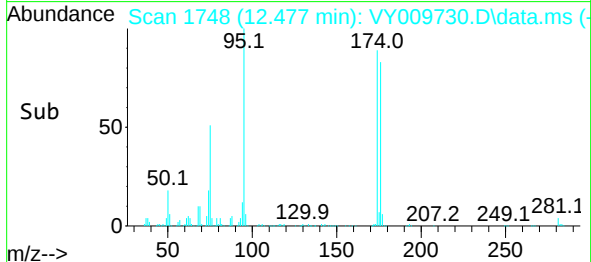
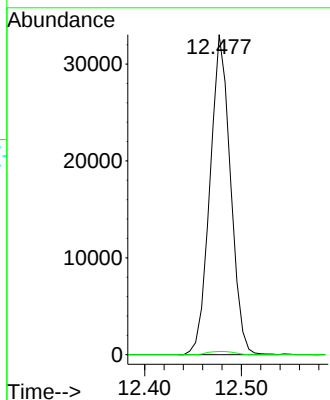
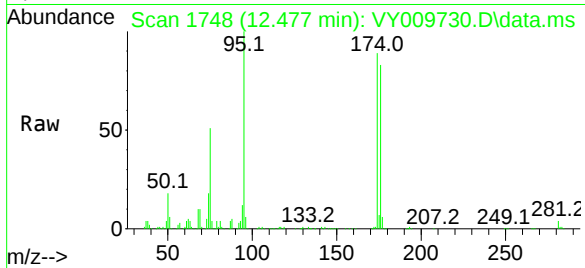




#76
1,2,3-Trichloropropane
Concen: 31.639 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

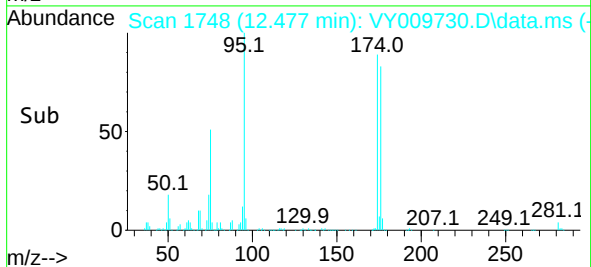
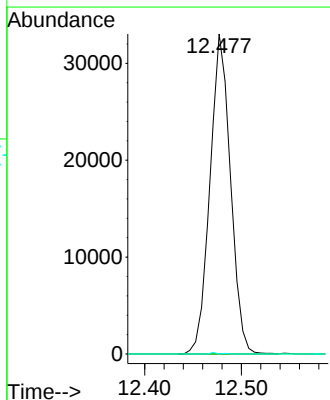
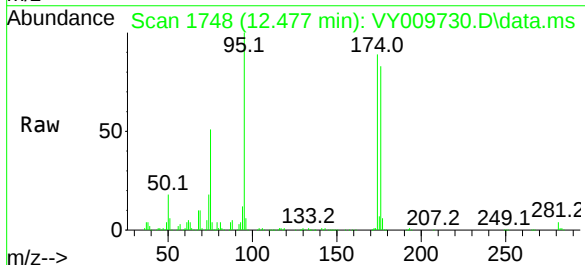
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

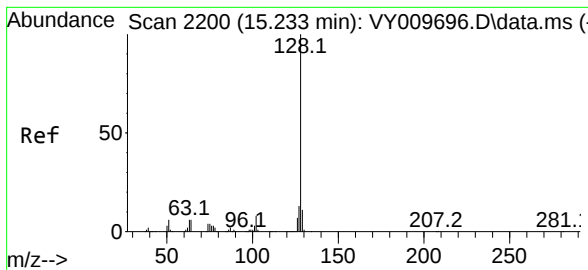
Tgt Ion: 75 Resp: 48686
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.067 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009730.D
Acq: 27 Jul 2022 17:26

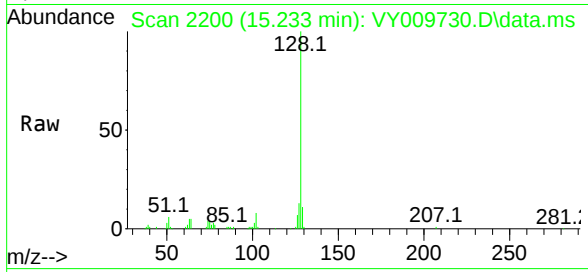
Tgt Ion: 75 Resp: 48686
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#





#95
 Naphthalene
 Concen: 8.858 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY009730.D
 Acq: 27 Jul 2022 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977



Tgt Ion:	128	Resp:	51682
Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	10.6	8.4	12.6

