

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010289.D
 Acq On : 02 Sep 2022 19:14
 Operator : KP/MD
 Sample : N4464-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 02 22:54:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

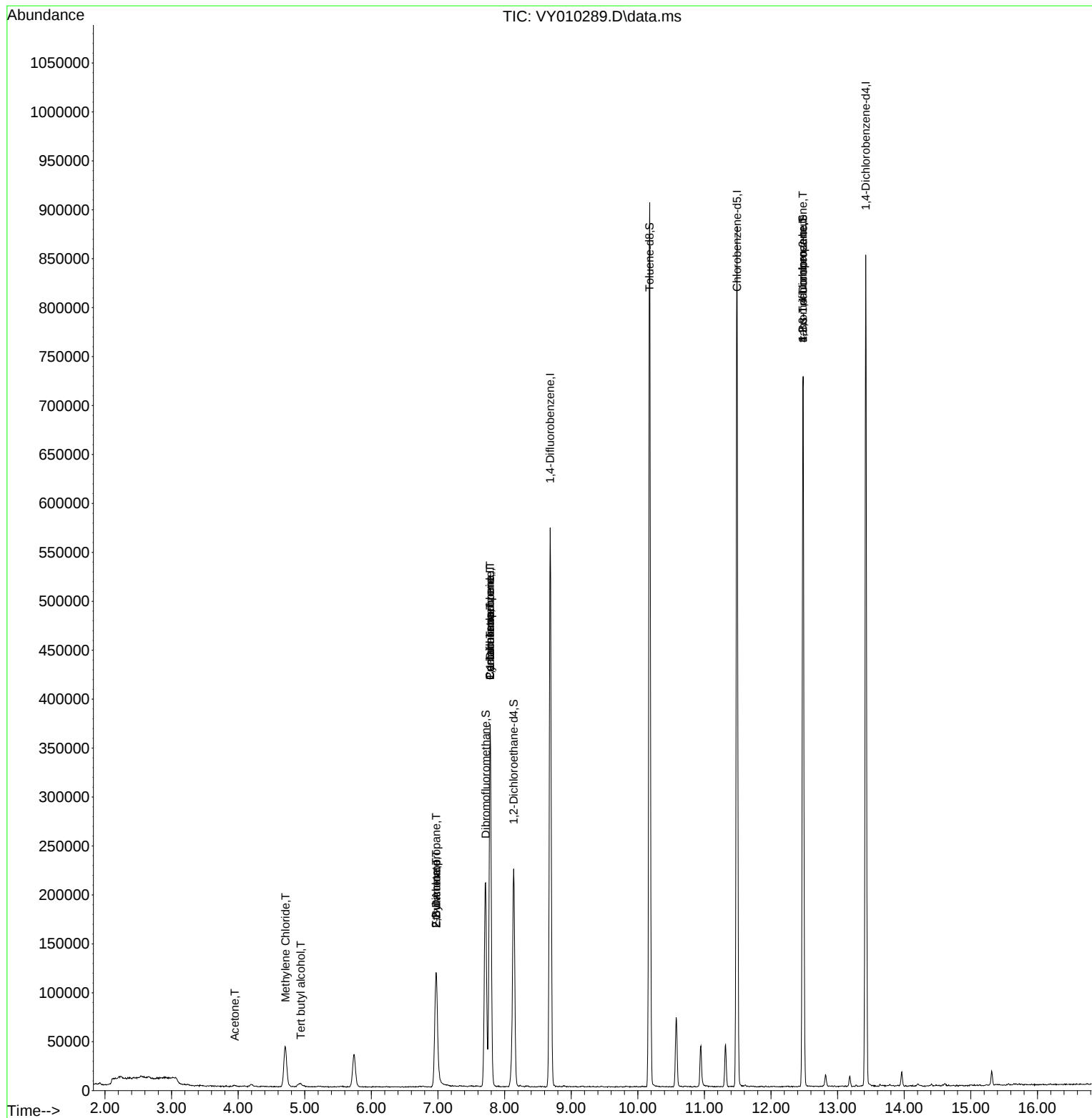
Internal Standards						
1) Pentafluorobenzene	7.783	168	290659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	495216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	464420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	218267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	166943	56.014	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.020%	
35) Dibromofluoromethane	7.716	113	150500	45.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.300%	
50) Toluene-d8	10.179	98	593936	53.811	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.620%	
62) 4-Bromofluorobenzene	12.477	95	212343	47.754	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.500%	
Target Compounds						Qvalue
5) Bromomethane	2.650	94	868	Below Cal	#	35
11) Tert butyl alcohol	4.942	59	5077	14.239	ug/l #	95
16) Acetone	3.948	43	1941	2.605	ug/l	99
20) Methylene Chloride	4.710	84	31696	8.815	ug/l	86
25) 2-Butanone	6.972	43	6406	5.239	ug/l	95
26) 2,2-Dichloropropane	6.972	77	9179	1.690	ug/l #	55
31) Cyclohexane	7.783	56	5959	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	21625	4.471	ug/l #	50
37) Ethyl Acetate	6.972	43	6418	2.314	ug/l #	1
38) Carbon Tetrachloride	7.783	117	28263	5.670	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.770	63	28	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.477	75	110810	42.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	110810	88.995	ug/l #	7

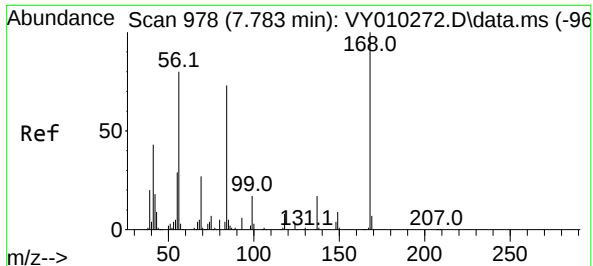
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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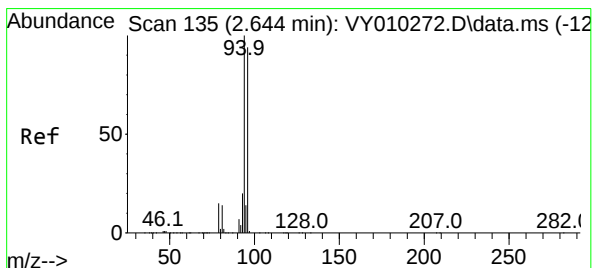
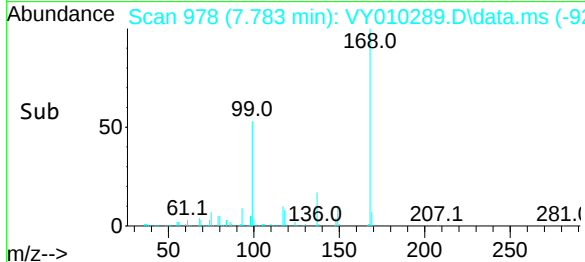
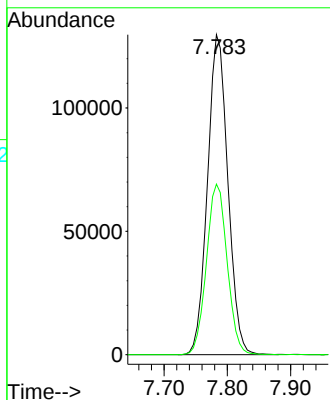
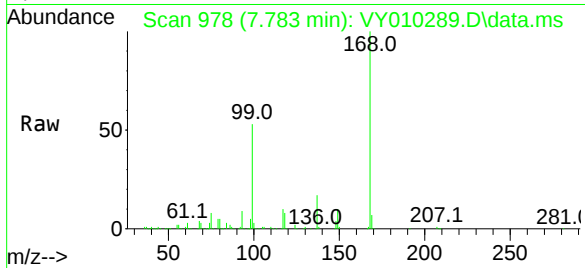




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

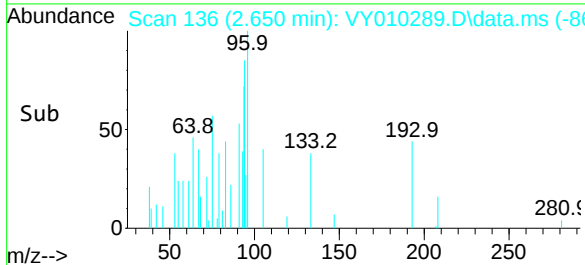
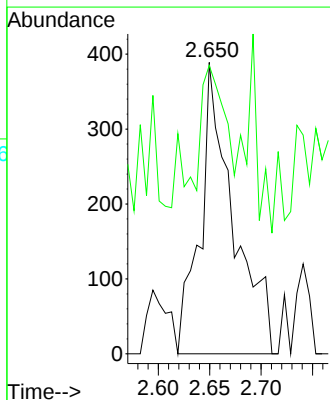
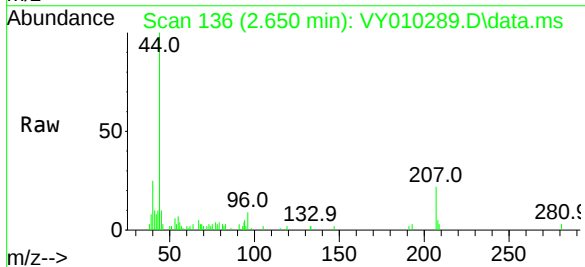
Instrument :
MSVOA_Y
ClientSampleId :

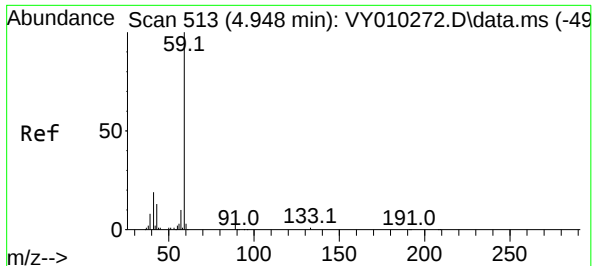
Tgt Ion:168 Resp: 290659
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Tgt Ion: 94 Resp: 868
Ion Ratio Lower Upper
94 100
96 29.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: 14.239 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

Instrument :

MSVOA_Y

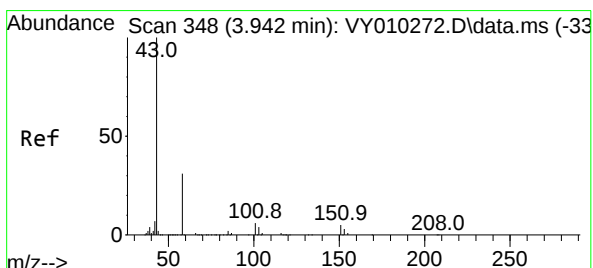
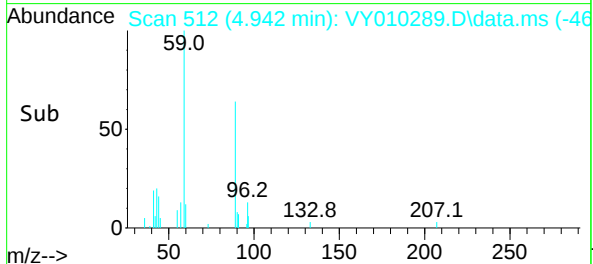
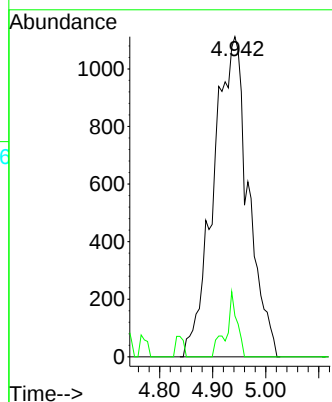
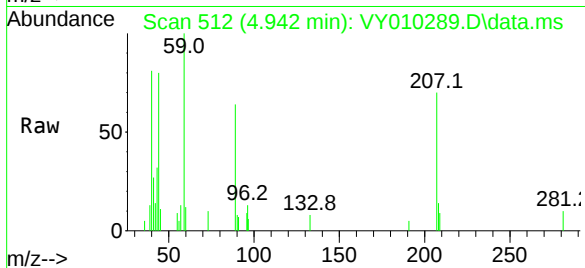
ClientSampleId :

Tgt Ion: 59 Resp: 5077

Ion Ratio Lower Upper

59 100

57 6.4 6.4 9.6#



#16

Acetone

Concen: 2.605 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY010289.D

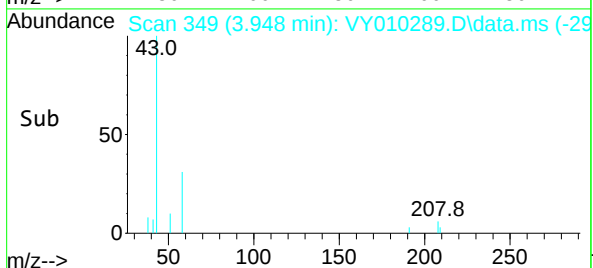
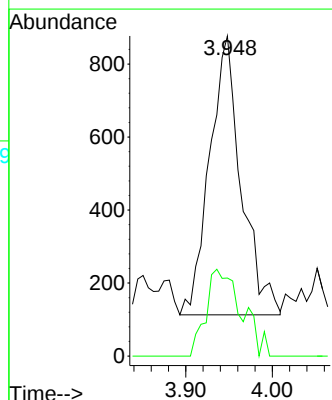
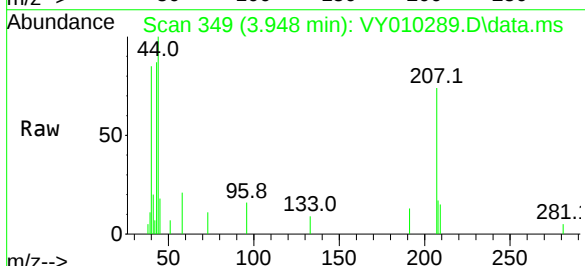
Acq: 02 Sep 2022 19:14

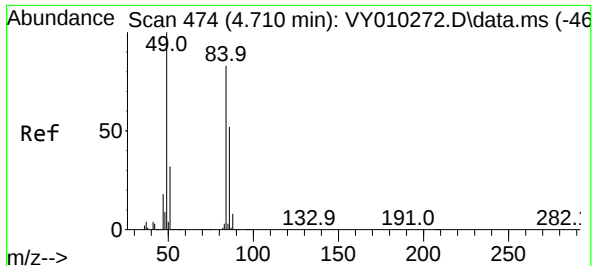
Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

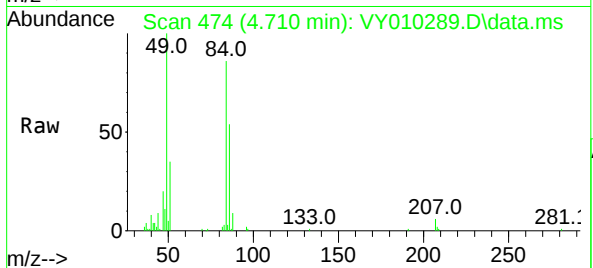
58 28.0 22.0 33.0



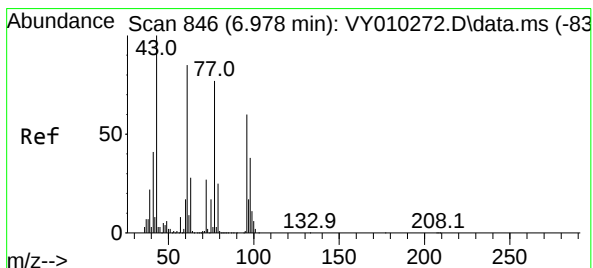
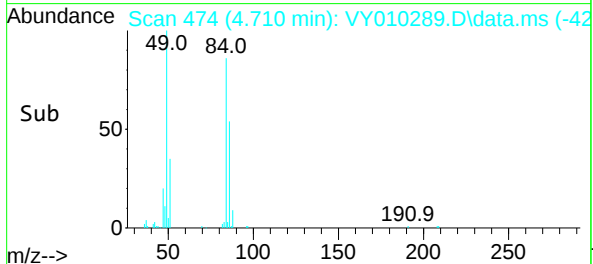
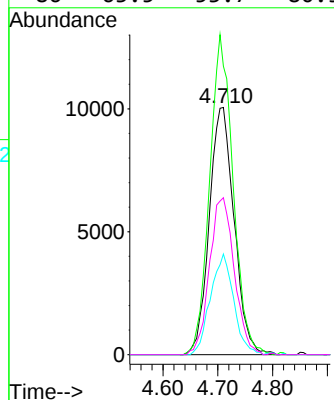


#20
Methylene Chloride
Concen: 8.815 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Instrument :
MSVOA_Y
ClientSampleId :

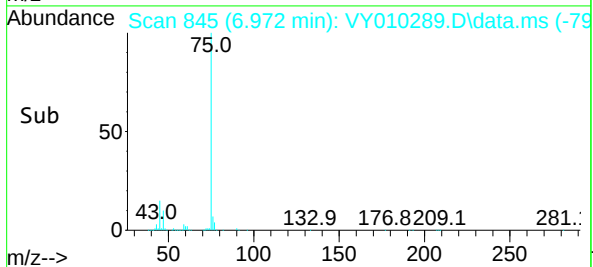
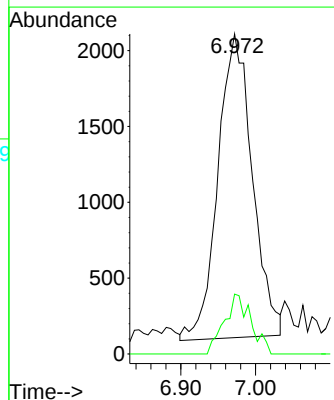
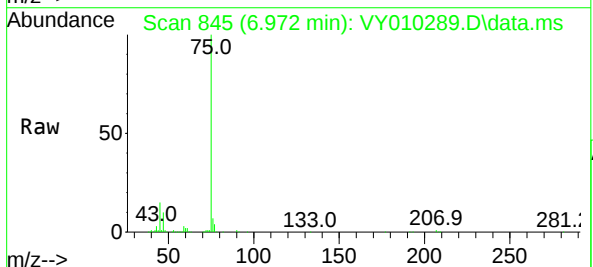


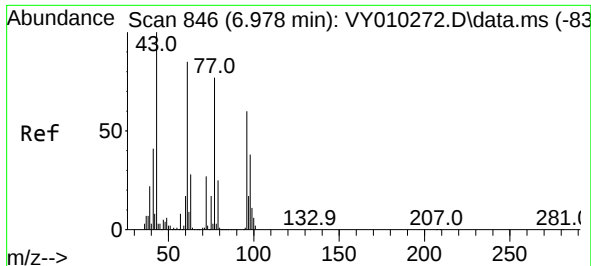
Tgt Ion:	84	Resp:	31696
Ion	Ratio	Lower	Upper
84	100		
49	116.7	114.4	171.6
51	40.7	35.3	52.9
86	63.5	53.7	80.5



#25
2-Butanone
Concen: 5.239 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Tgt Ion:	43	Resp:	6406
Ion	Ratio	Lower	Upper
43	100		
72	19.9	17.7	26.5





#26

2,2-Dichloropropane

Concen: 1.690 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

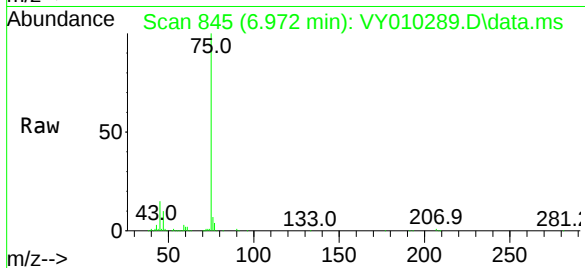
Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

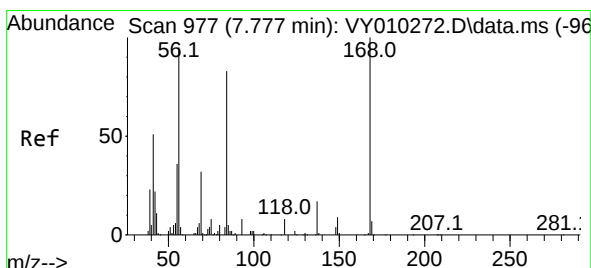
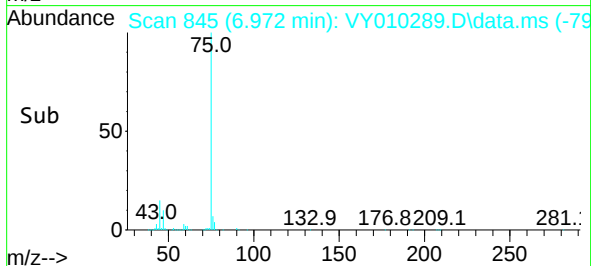
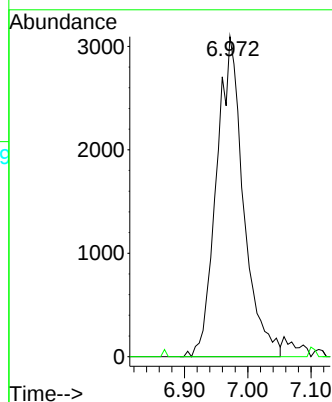


Tgt Ion: 77 Resp: 9179

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

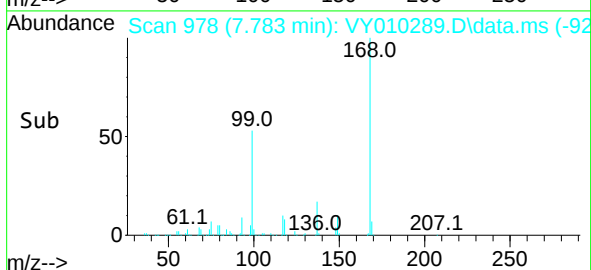
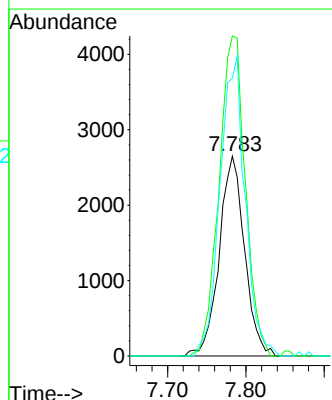
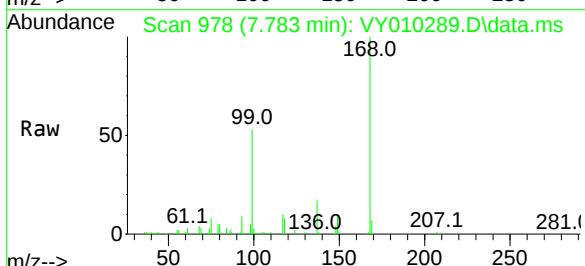
Tgt Ion: 56 Resp: 5959

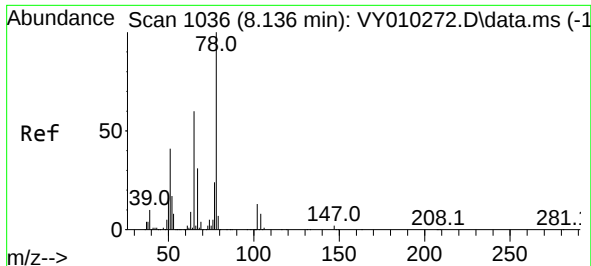
Ion Ratio Lower Upper

56 100

69 160.3 26.7 40.1#

84 139.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.014 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

Instrument :

MSVOA_Y

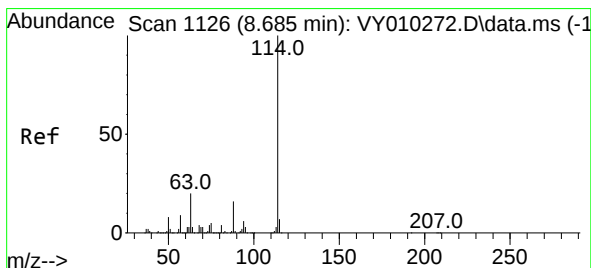
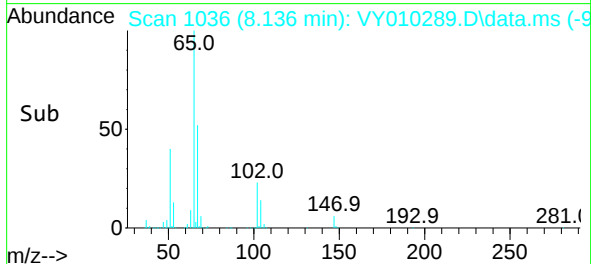
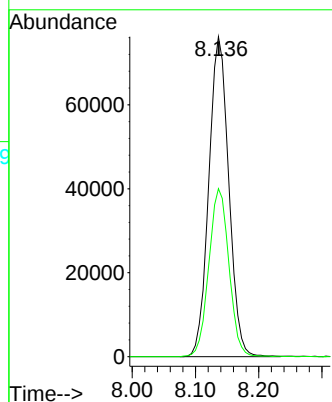
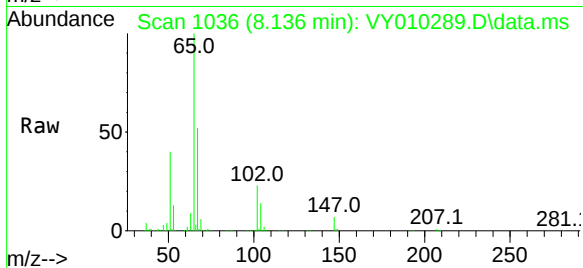
ClientSampleId :

Tgt Ion: 65 Resp: 166943

Ion Ratio Lower Upper

65 100

67 53.0 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: VY010289.D

Acq: 02 Sep 2022 19:14

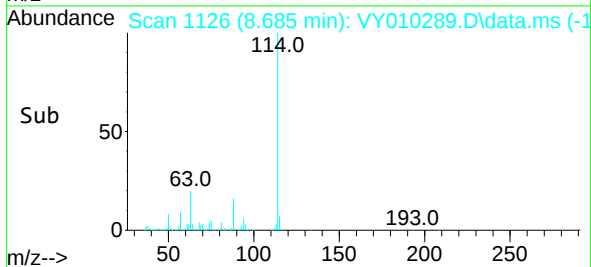
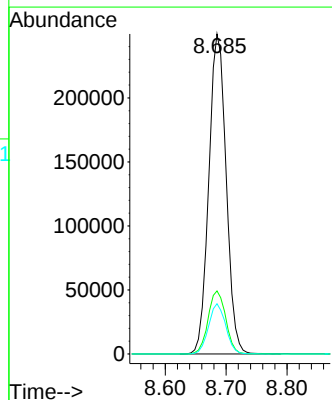
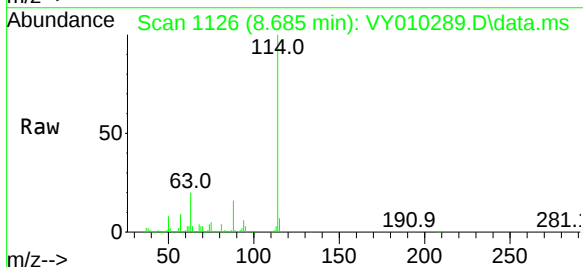
Tgt Ion: 114 Resp: 495216

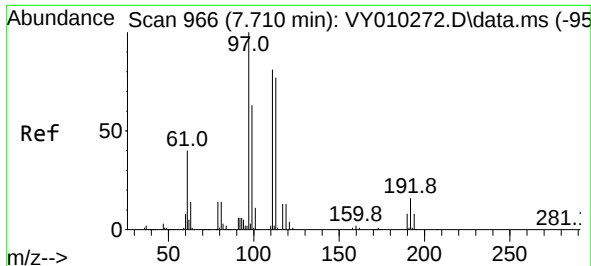
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

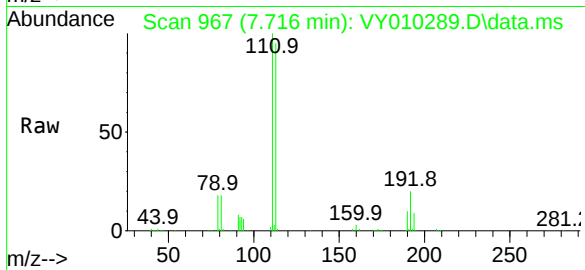
88 15.7 0.0 31.8



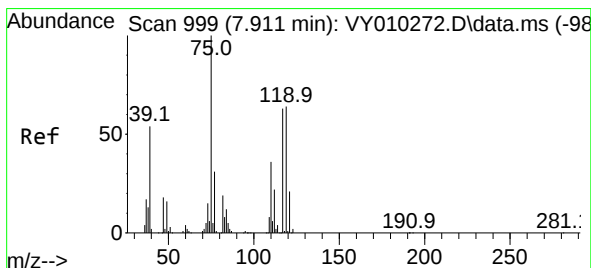
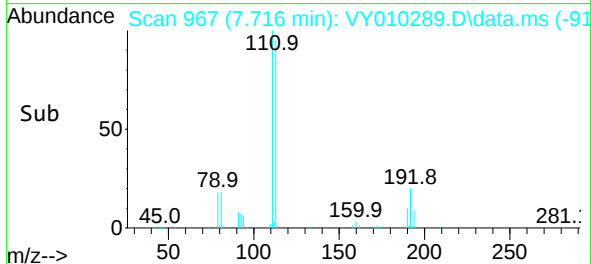
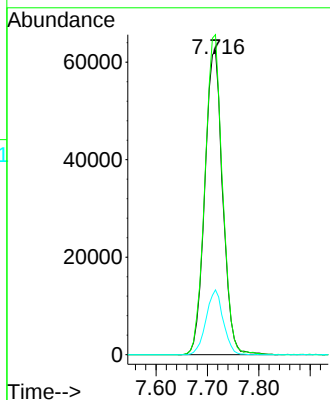


#35
Dibromofluoromethane
Concen: 45.651 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Instrument :
MSVOA_Y
ClientSampleId :

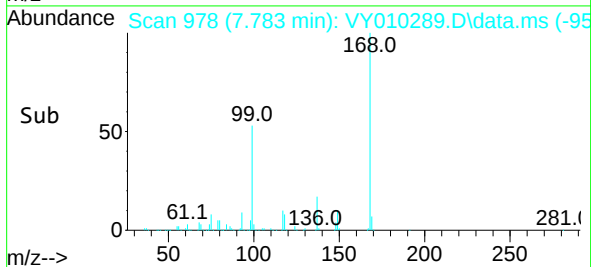
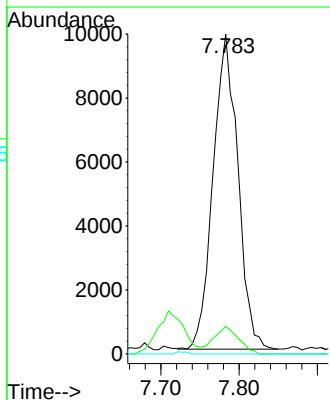
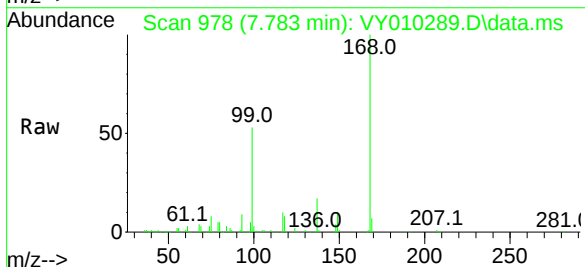


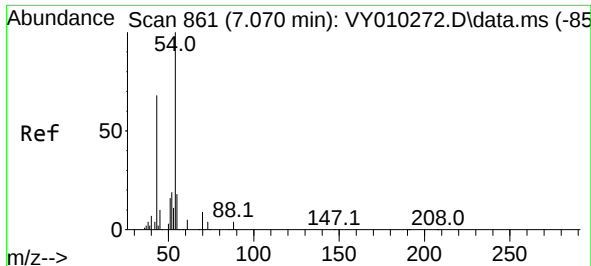
Tgt Ion:113 Resp: 150500
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Tgt Ion: 75 Resp: 21625
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.314 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

Instrument :

MSVOA_Y

ClientSampleId :

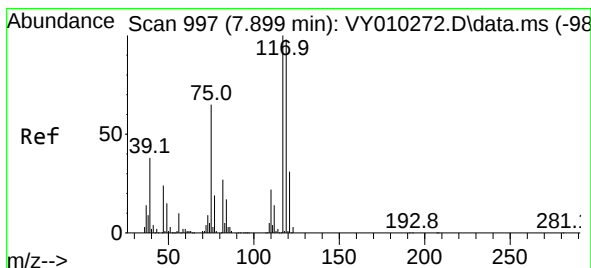
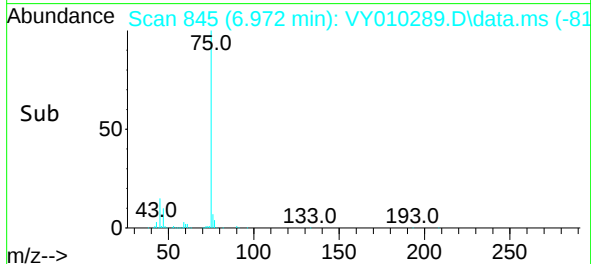
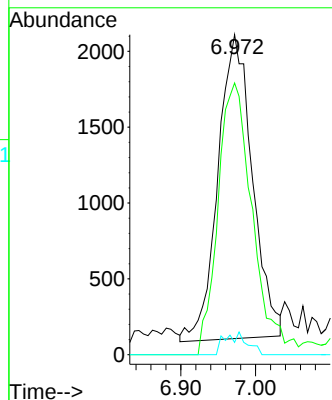
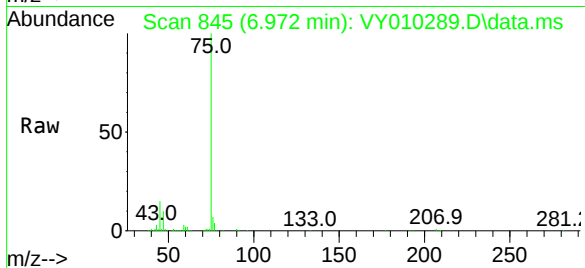
Tgt Ion: 43 Resp: 6418

Ion Ratio Lower Upper

43 100

61 89.5 9.7 14.5#

70 2.4 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.670 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010289.D

Acq: 02 Sep 2022 19:14

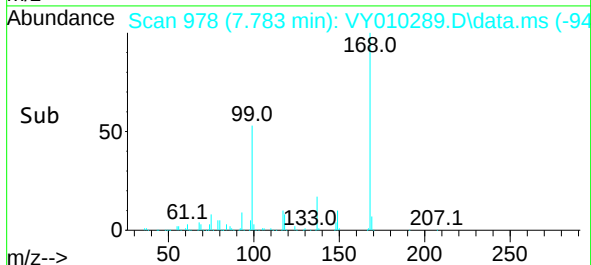
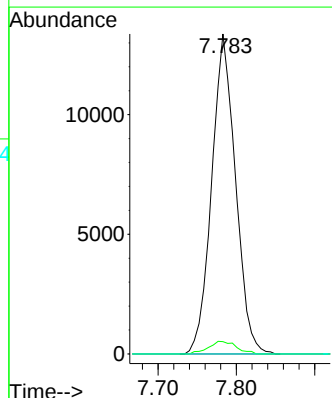
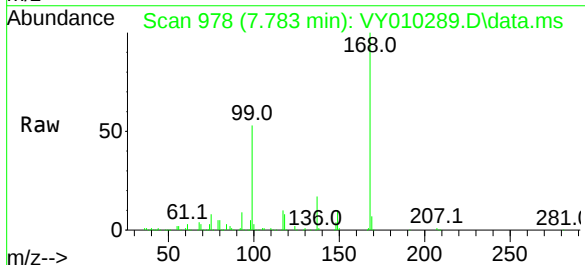
Tgt Ion: 117 Resp: 28263

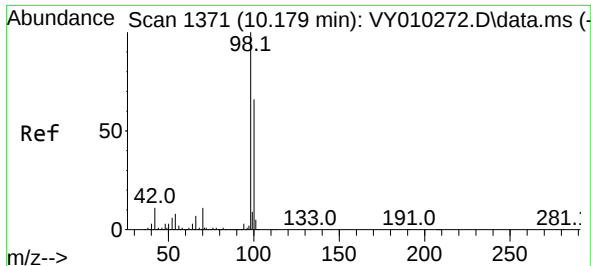
Ion Ratio Lower Upper

117 100

119 3.9 77.9 116.9#

121 0.0 24.8 37.2#

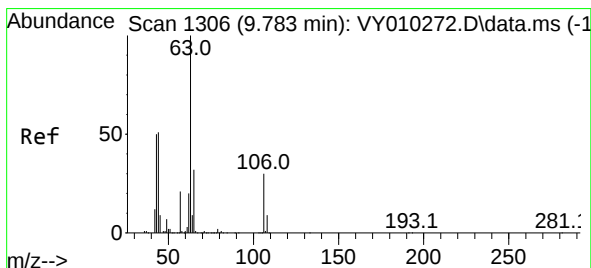
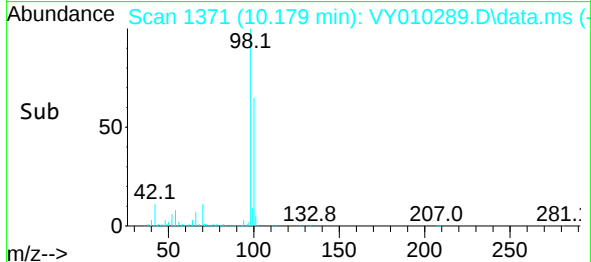
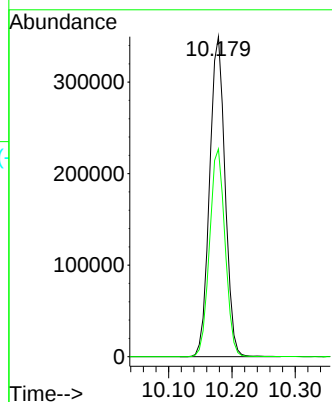
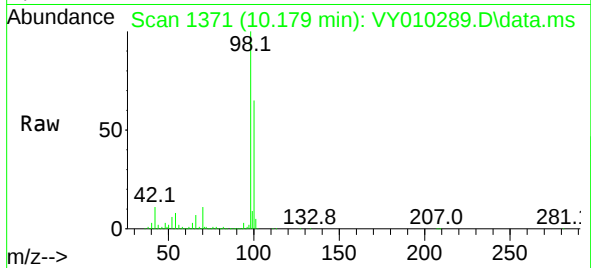




#50
Toluene-d8
Concen: 53.811 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

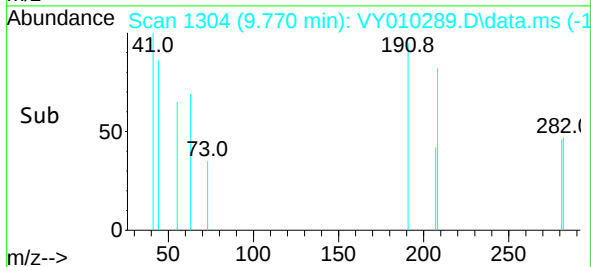
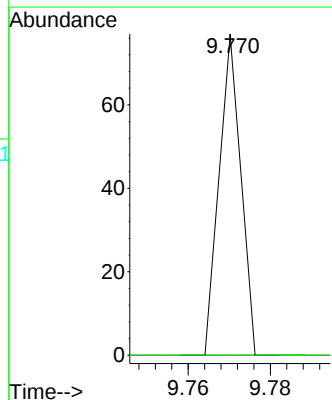
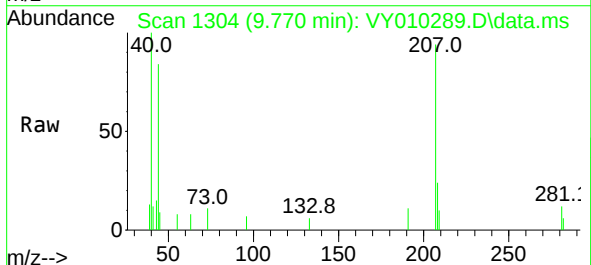
Instrument :
MSVOA_Y
ClientSampleId :

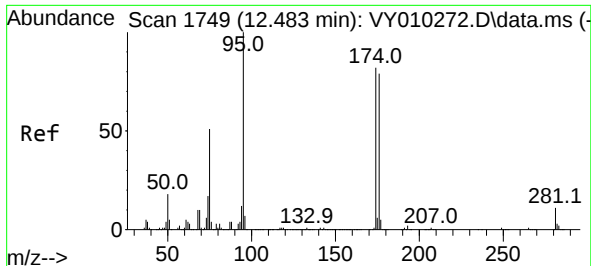
Tgt Ion: 98 Resp: 593936
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.770 min Scan# 1304
Delta R.T. -0.013 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Tgt Ion: 63 Resp: 28
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

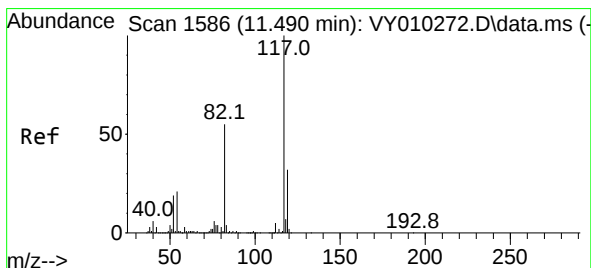
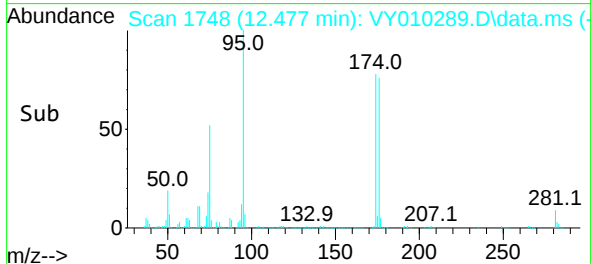
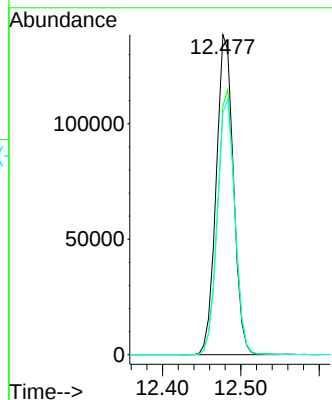
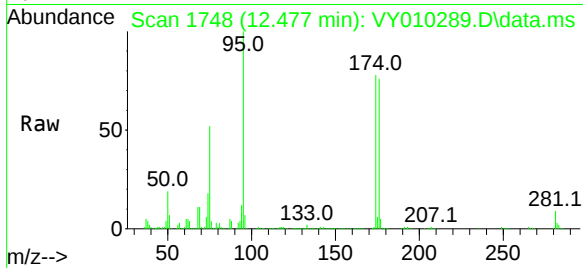




#62
4-Bromofluorobenzene
Concen: 47.754 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

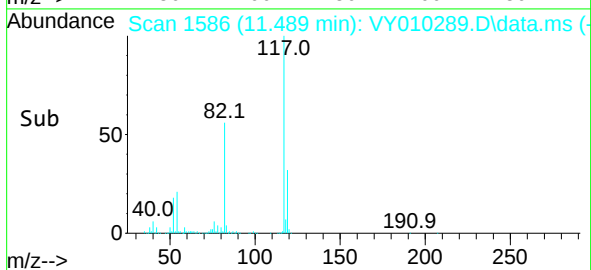
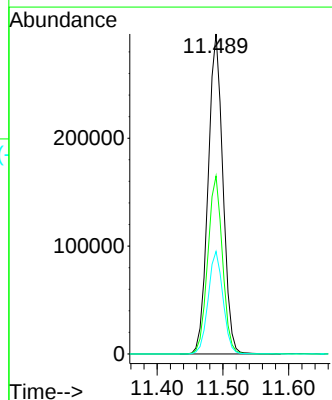
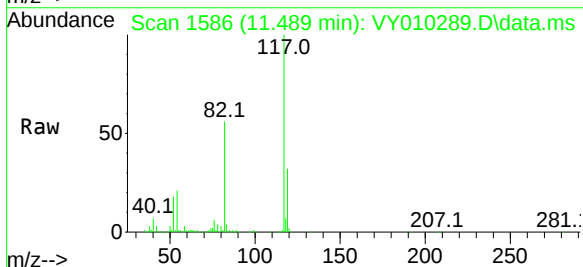
Instrument :
MSVOA_Y
ClientSampleId :

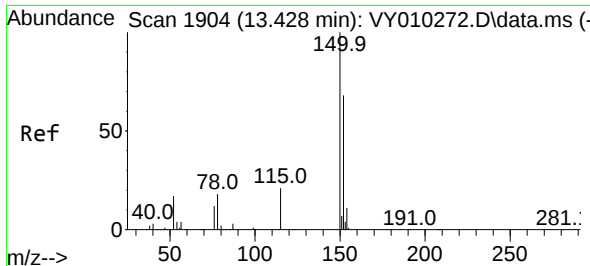
Tgt Ion: 95 Resp: 212343
Ion Ratio Lower Upper
95 100
174 82.7 0.0 177.0
176 80.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

Tgt Ion: 117 Resp: 464420
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.1 25.4 38.0

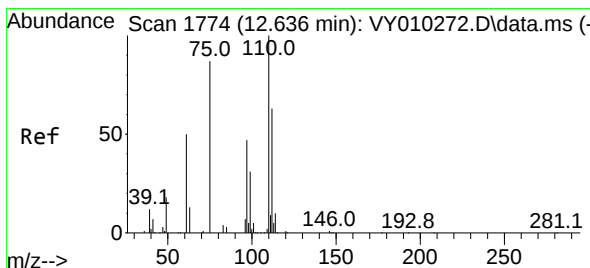
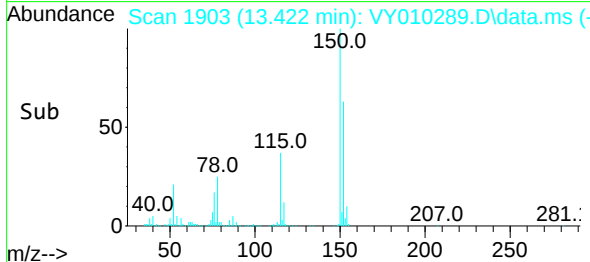
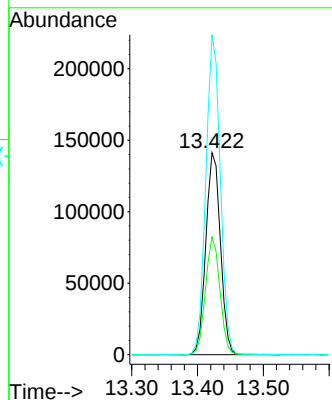
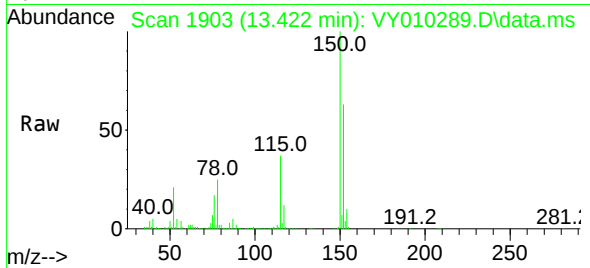




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

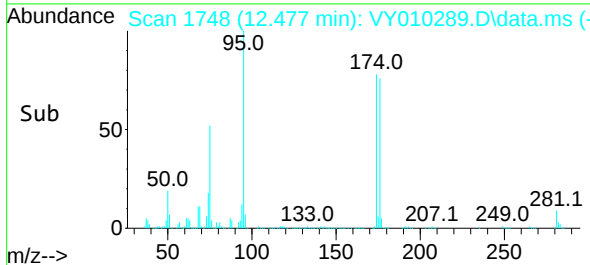
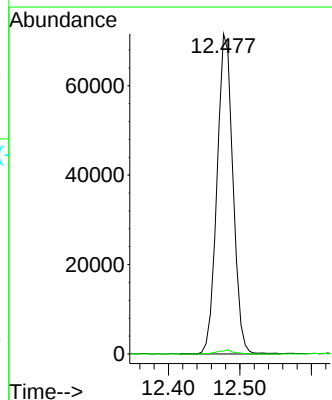
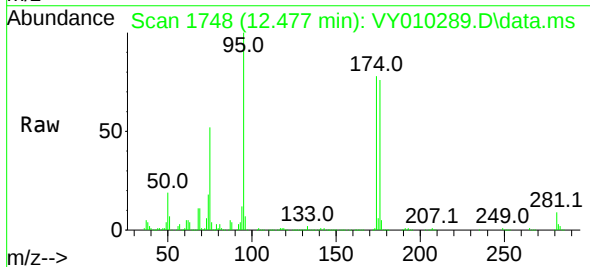
Instrument :
MSVOA_Y
ClientSampleId :

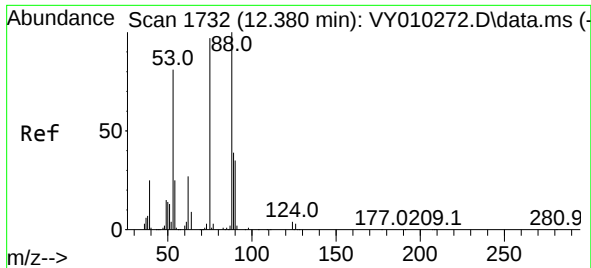
Tgt Ion:152 Resp: 218267
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 42.661 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010289.D
Acq: 02 Sep 2022 19:14

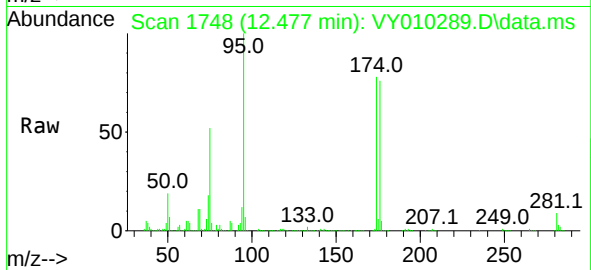
Tgt Ion: 75 Resp: 110810
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.995 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010289.D
 Acq: 02 Sep 2022 19:14

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 110810
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

