

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081822\
 Data File : VY010091.D
 Acq On : 18 Aug 2022 18:23
 Operator : KP/MD
 Sample : N4228-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-03-081622

Quant Time: Aug 18 19:10:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

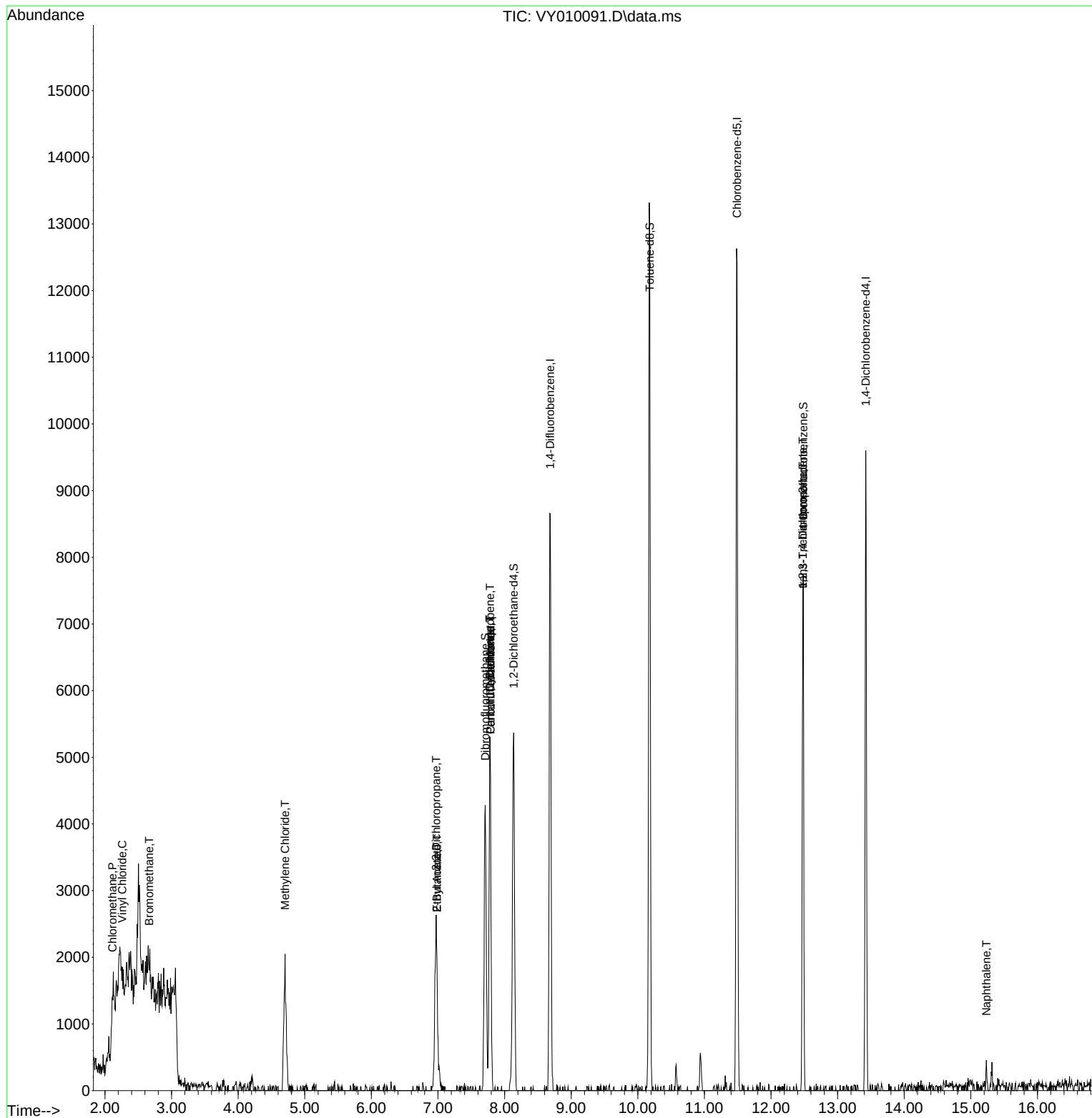
Internal Standards						
1) Pentafluorobenzene	7.789	168	3435	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	6795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3909	113.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 227.620%#			
35) Dibromofluoromethane	7.710	113	2852	64.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.440%			
50) Toluene-d8	10.179	98	8058	49.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.860%			
62) 4-Bromofluorobenzene	12.483	95	1992	34.787	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.580%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	222	5.761	ug/l	# 43
4) Vinyl Chloride	2.259	62	67	1.371	ug/l	# 41
5) Bromomethane	2.662	94	385	9.655	ug/l	# 80
20) Methylene Chloride	4.704	84	1159	32.905	ug/l	# 61
25) 2-Butanone	6.984	43	108	10.731	ug/l	# 48
26) 2,2-Dichloropropane	6.972	77	77	1.417	ug/l	# 53
31) Cyclohexane	7.777	56	122	2.514	ug/l	# 77
36) 1,1-Dichloropropene	7.783	75	368	5.995	ug/l	# 41
37) Ethyl Acetate	6.984	43	108	3.494	ug/l	# 45
38) Carbon Tetrachloride	7.789	117	410	5.431	ug/l	# 12
76) 1,2,3-Trichloropropane	12.477	75	1371	64.483	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	1371	145.725	ug/l	# 12
95) Naphthalene	15.233	128	374	5.242	ug/l	# 69

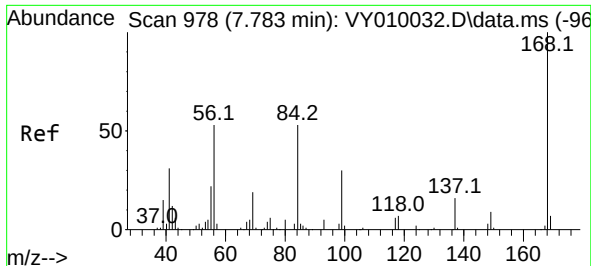
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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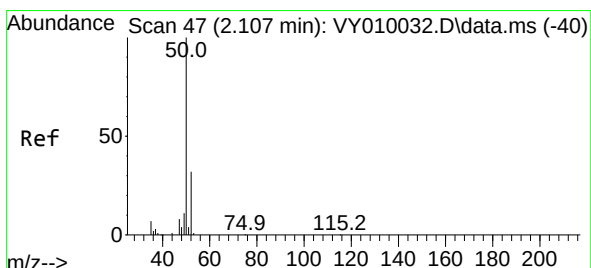
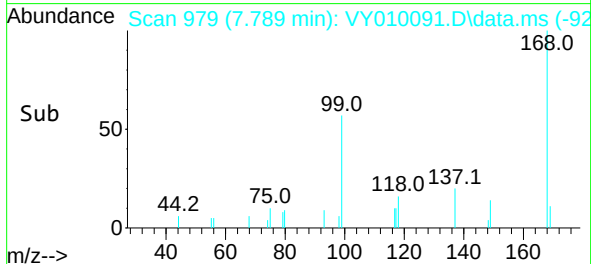
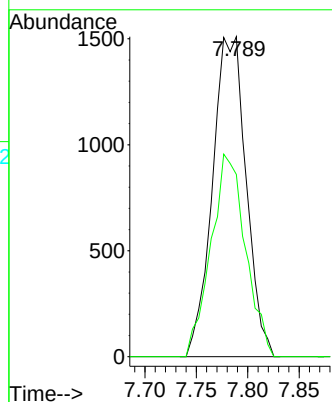
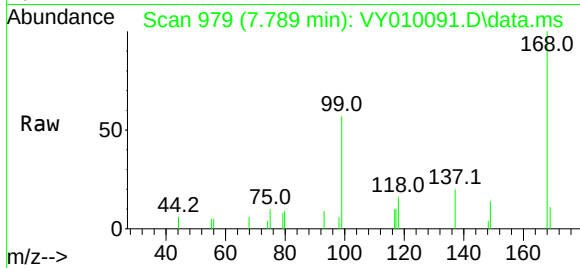




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

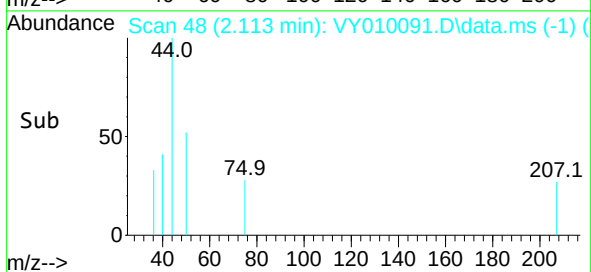
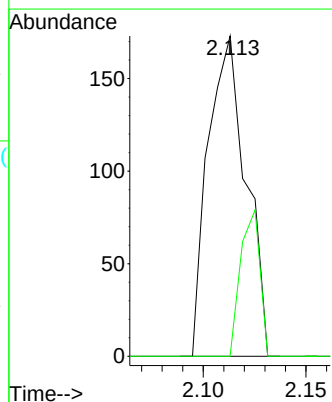
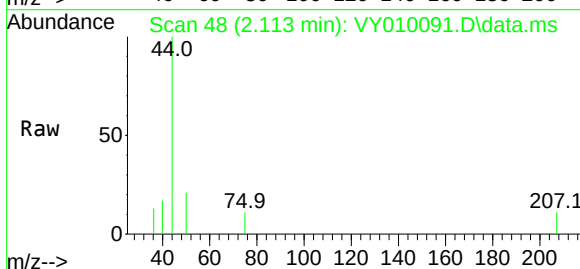
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622

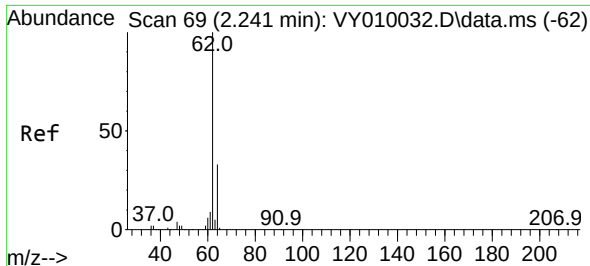
Tgt Ion:168 Resp: 3435
Ion Ratio Lower Upper
168 100
99 57.0 37.7 56.5#



#3
Chloromethane
Concen: 5.761 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

Tgt Ion: 50 Resp: 222
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

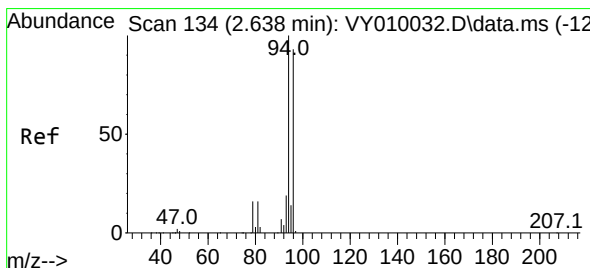
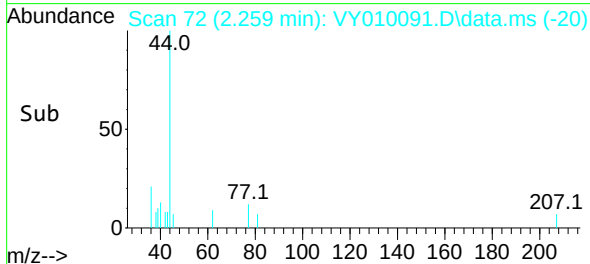
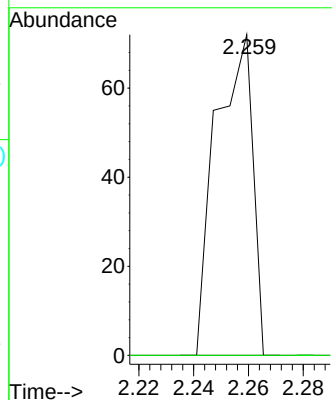
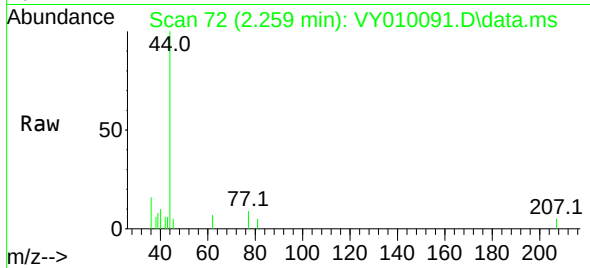




#4
 Vinyl Chloride
 Concen: 1.371 ug/l
 RT: 2.259 min Scan# 71
 Delta R.T. 0.018 min
 Lab File: VY010091.D
 Acq: 18 Aug 2022 18:23

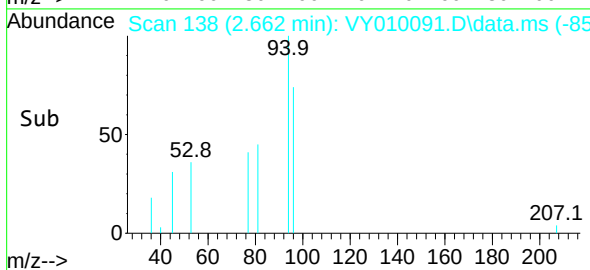
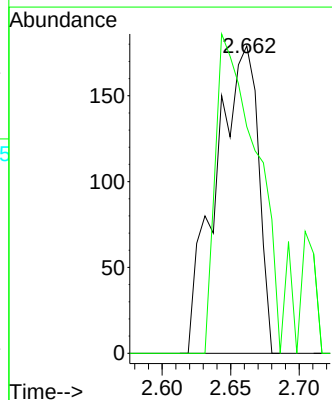
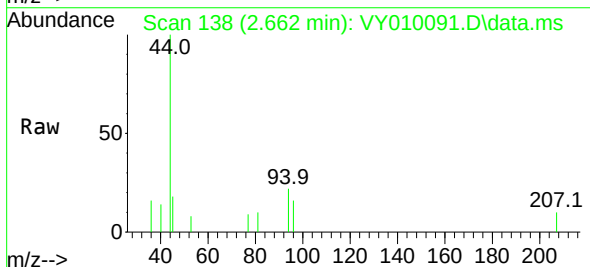
Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-03-081622

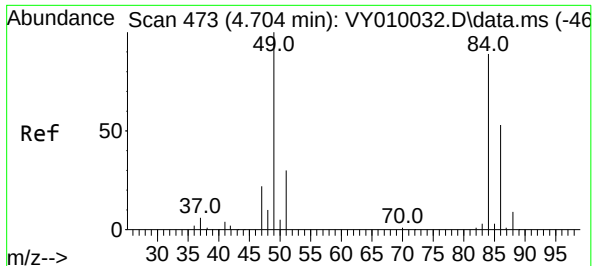
Tgt Ion: 62 Resp: 67
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.6 39.8#



#5
 Bromomethane
 Concen: 9.655 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.024 min
 Lab File: VY010091.D
 Acq: 18 Aug 2022 18:23

Tgt Ion: 94 Resp: 385
 Ion Ratio Lower Upper
 94 100
 96 73.7 74.2 111.2#





#20

Methylene Chloride

Concen: 32.905 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010091.D

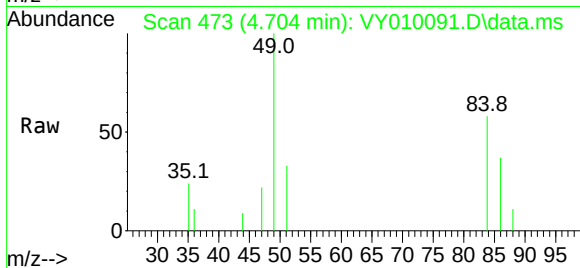
Acq: 18 Aug 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-081622



Tgt Ion: 84 Resp: 1159

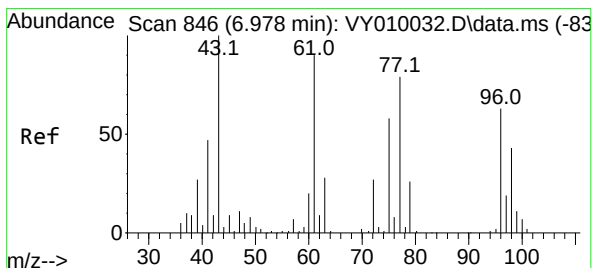
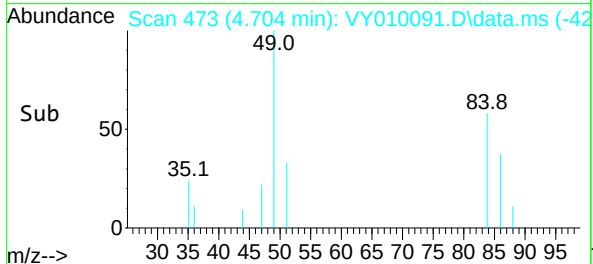
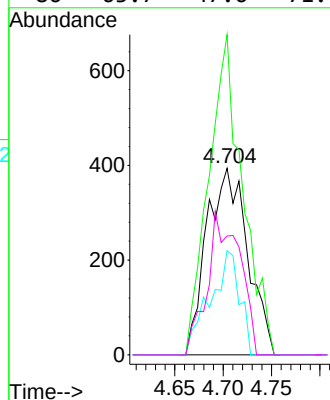
Ion Ratio Lower Upper

84 100

49 171.6 89.5 134.3#

51 55.8 26.8 40.2#

86 63.7 47.6 71.4



#25

2-Butanone

Concen: 10.731 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY010091.D

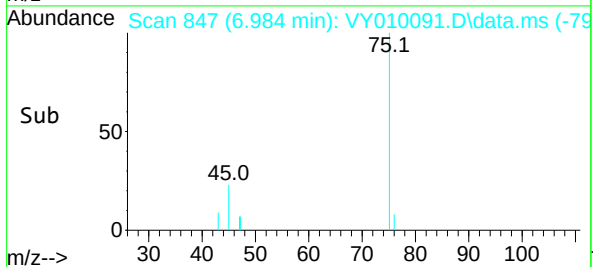
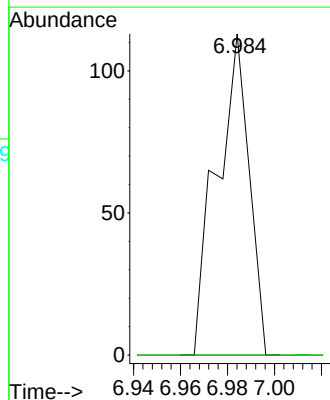
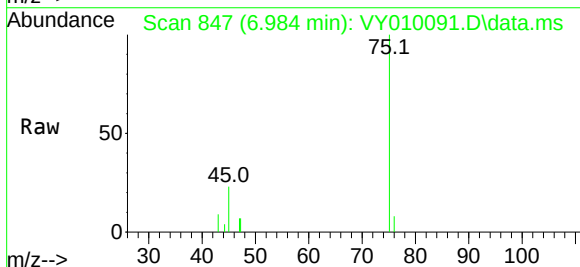
Acq: 18 Aug 2022 18:23

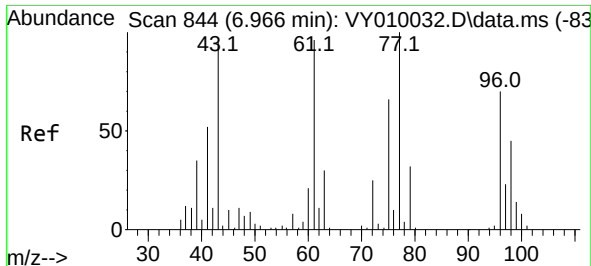
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#





#26

2,2-Dichloropropane

Concen: 1.417 ug/l

RT: 6.972 min Scan# 844

Delta R.T. 0.006 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

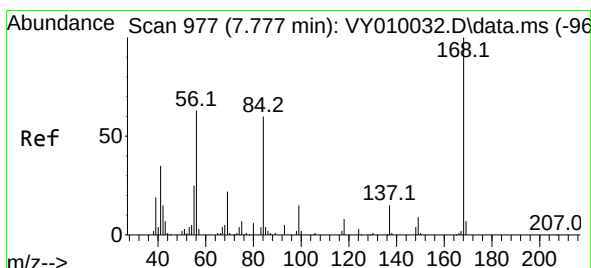
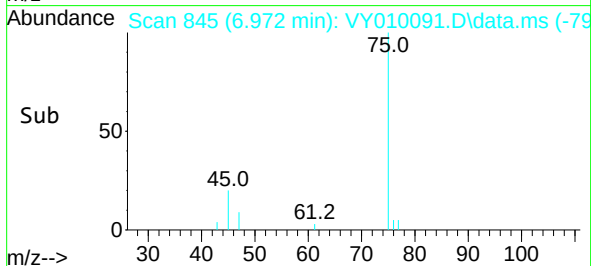
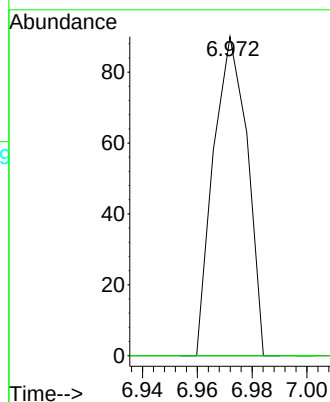
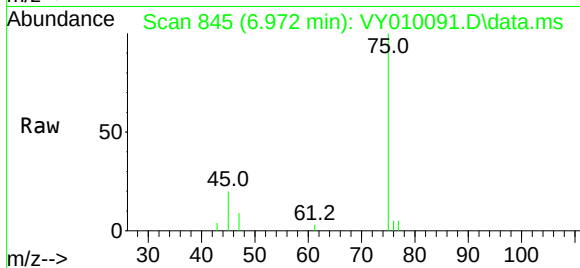
OK-03-081622

Tgt Ion: 77 Resp: 77

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#31

Cyclohexane

Concen: 2.514 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

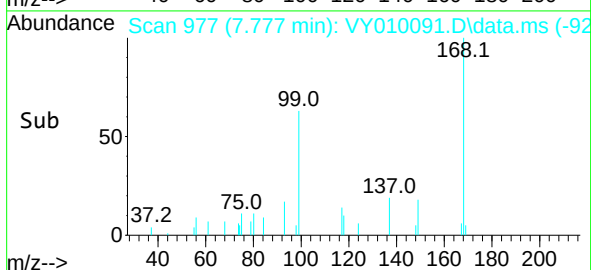
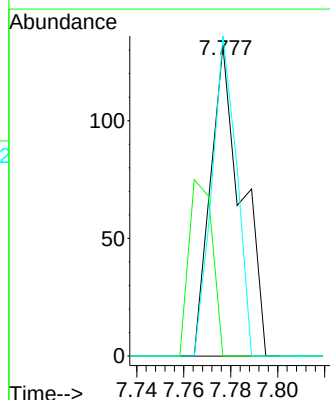
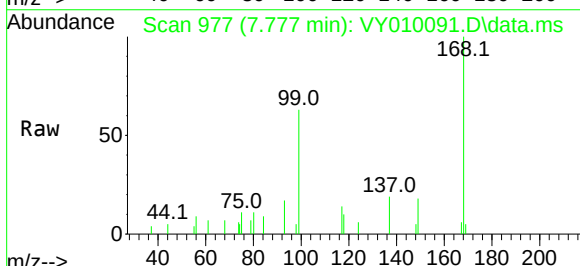
Tgt Ion: 56 Resp: 122

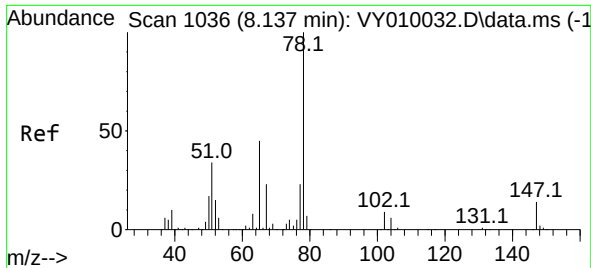
Ion Ratio Lower Upper

56 100

69 0.0 28.6 43.0#

84 103.0 76.0 114.0





#33

1,2-Dichloroethane-d4

Concen: 113.814 ug/l

RT: 8.136 min Scan# 11036

Delta R.T. -0.001 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

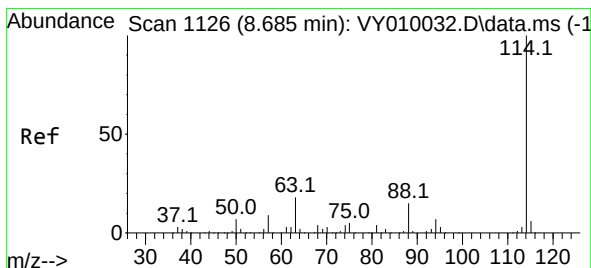
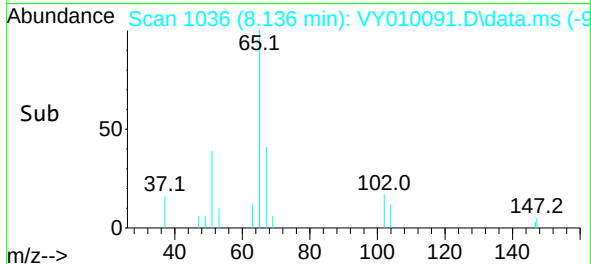
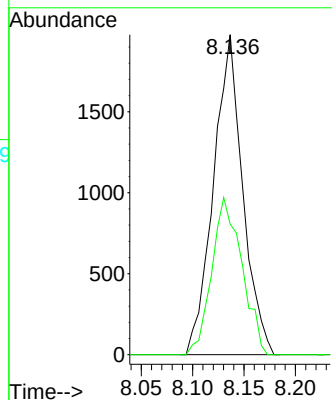
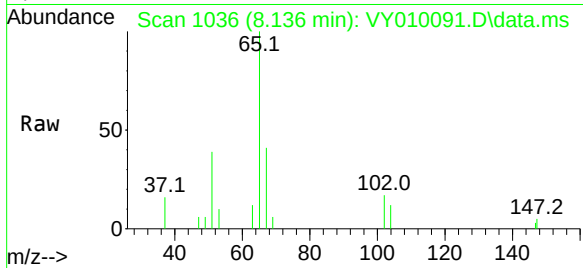
OK-03-081622

Tgt Ion: 65 Resp: 3909

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

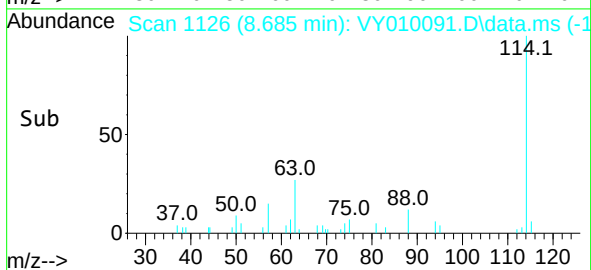
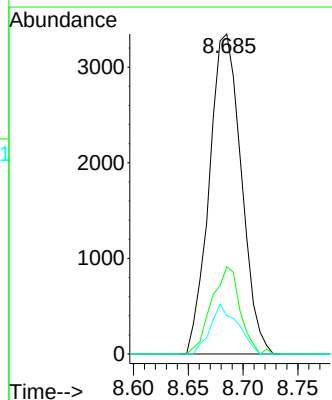
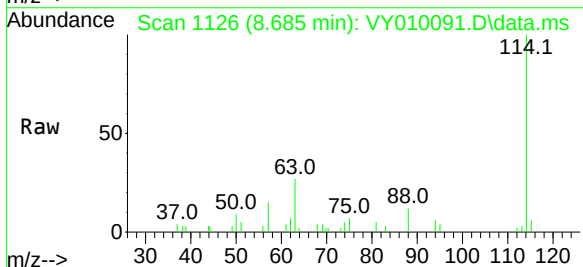
Tgt Ion: 114 Resp: 6795

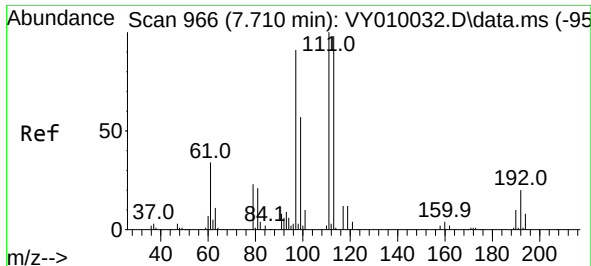
Ion Ratio Lower Upper

114 100

63 27.2 0.0 35.2

88 12.0 0.0 30.2

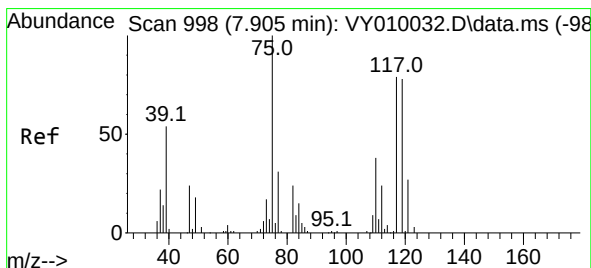
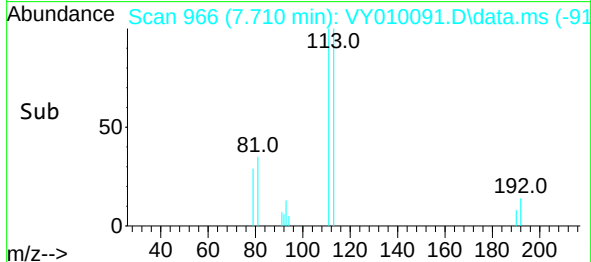
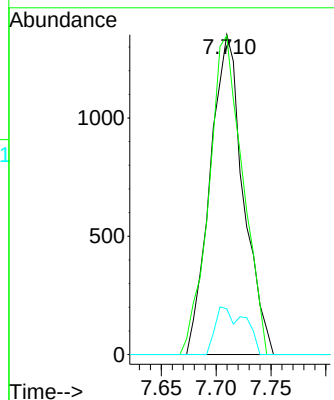
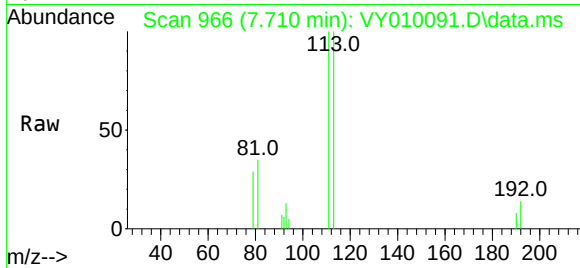




#35
Dibromofluoromethane
Concen: 64.722 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

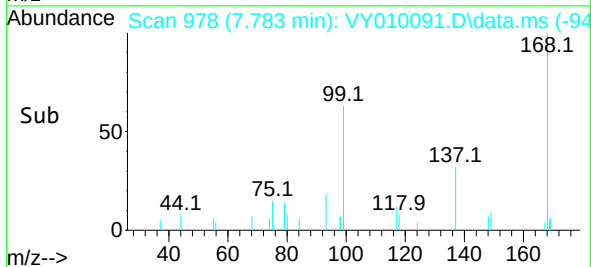
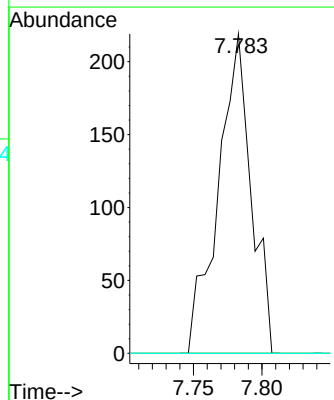
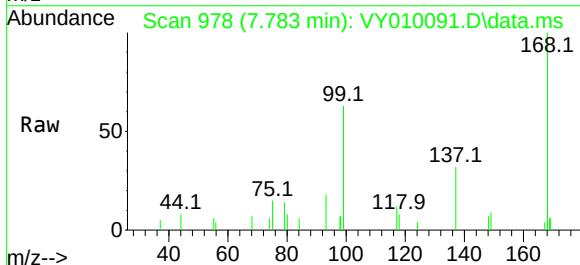
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622

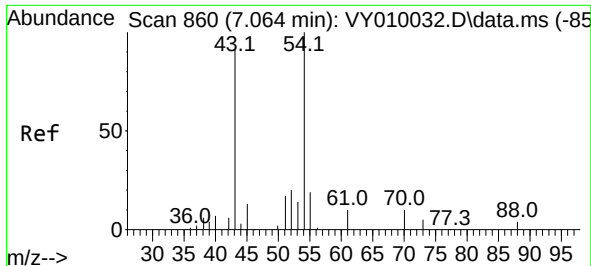
Tgt Ion:113 Resp: 2852
Ion Ratio Lower Upper
113 100
111 101.5 82.7 124.1
192 13.2 17.2 25.8#



#36
1,1-Dichloropropene
Concen: 5.995 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

Tgt Ion: 75 Resp: 368
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.4#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 3.494 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-081622

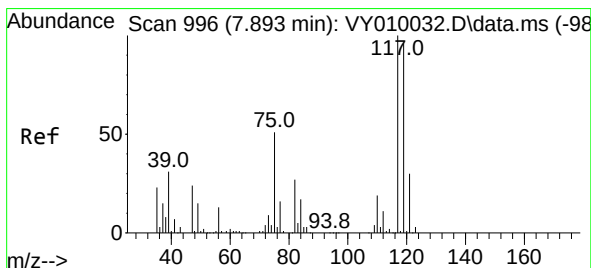
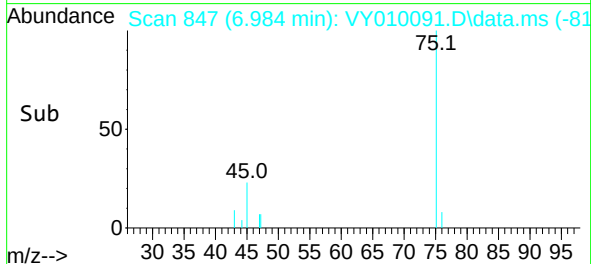
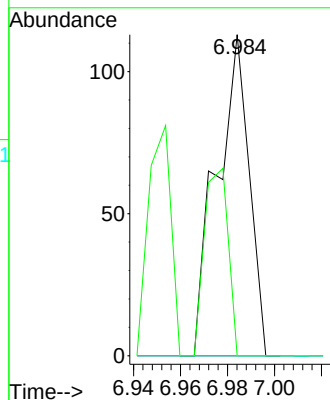
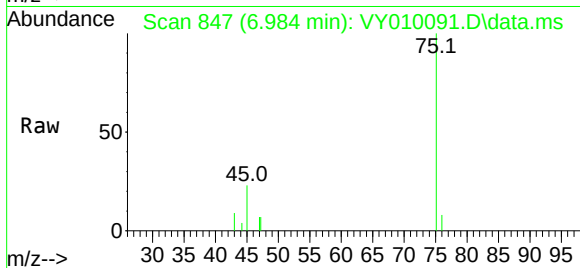
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

61 42.6 9.6 14.4#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.431 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

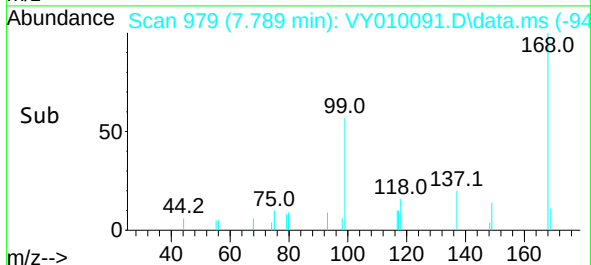
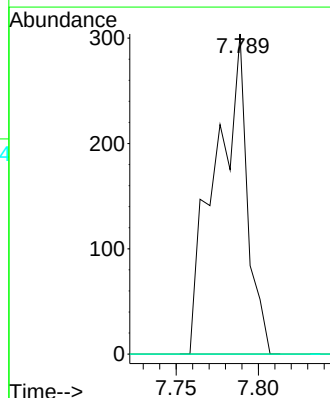
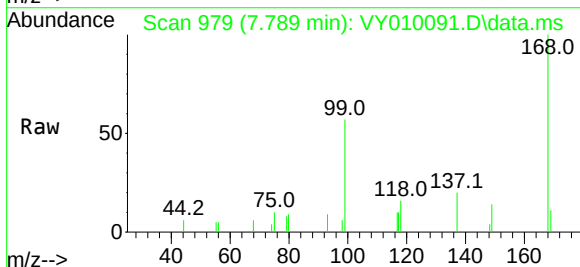
Tgt Ion: 117 Resp: 410

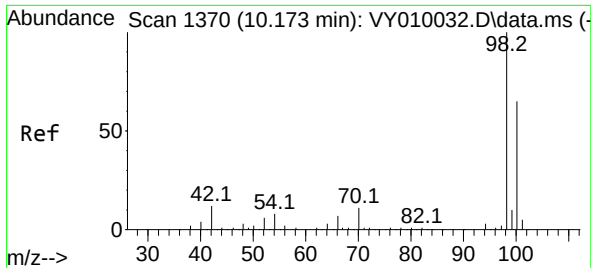
Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.6#

121 0.0 24.2 36.4#

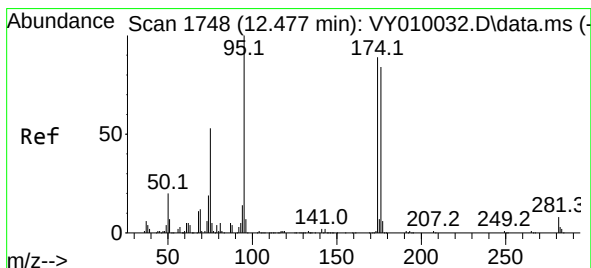
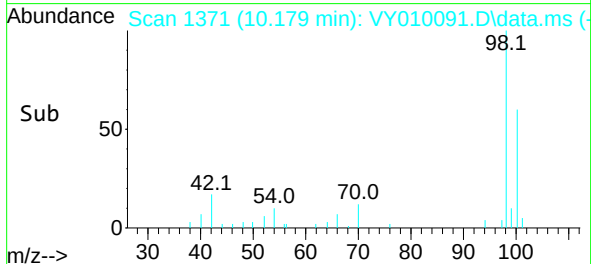
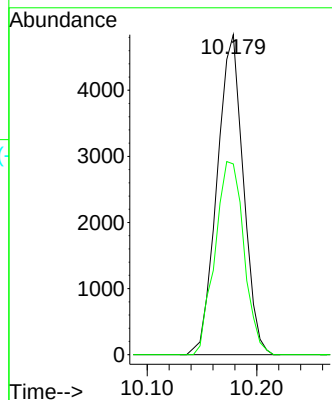
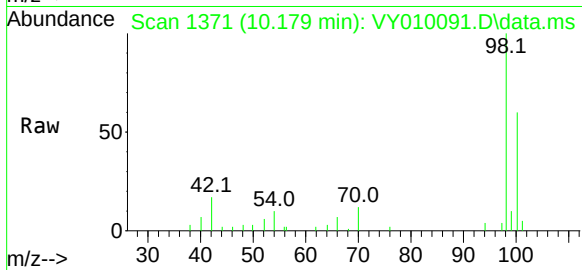




#50
Toluene-d8
Concen: 49.426 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

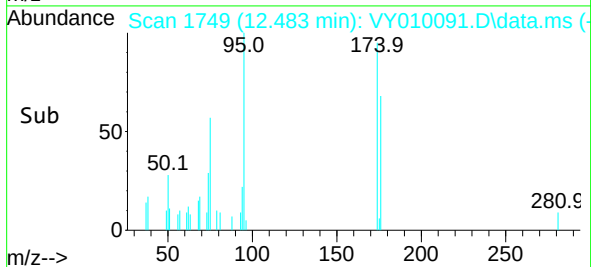
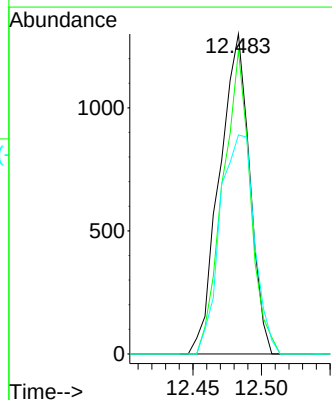
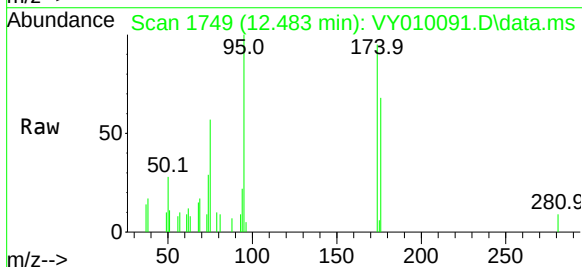
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622

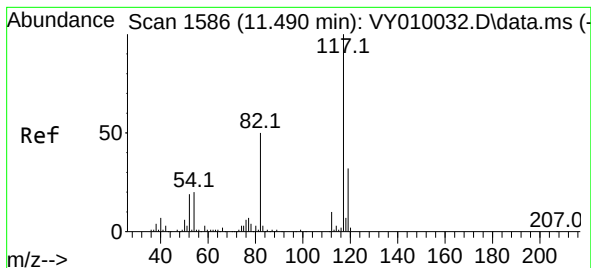
Tgt Ion: 98 Resp: 8058
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 34.787 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

Tgt Ion: 95 Resp: 1992
Ion Ratio Lower Upper
95 100
174 86.3 0.0 184.2
176 77.8 0.0 178.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010091.D

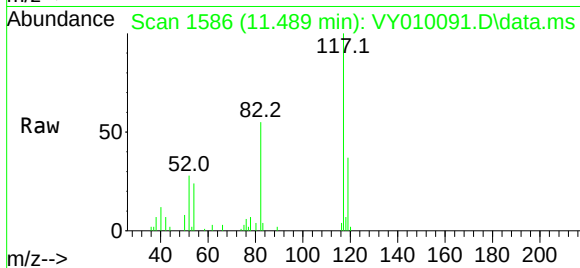
Acq: 18 Aug 2022 18:23

Instrument :

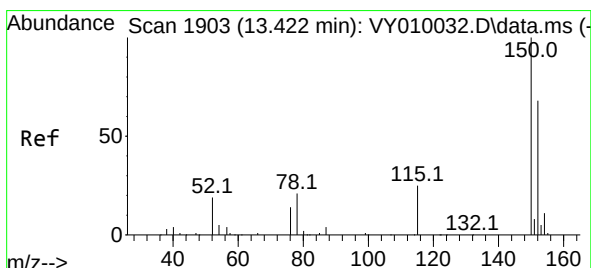
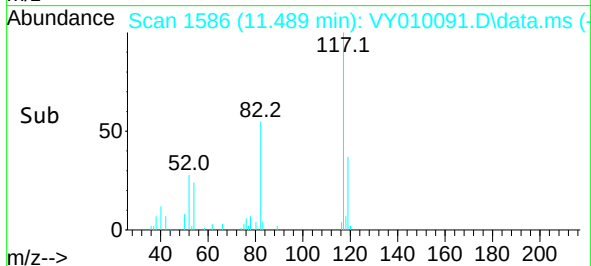
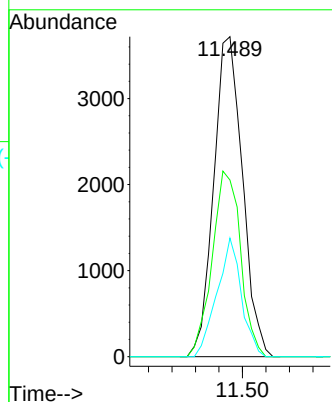
MSVOA_Y

ClientSampleId :

OK-03-081622



Tgt Ion:117	Resp:	6320
Ion	Ratio	Lower Upper
117	100	
82	55.2	39.8 59.6
119	37.1	25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

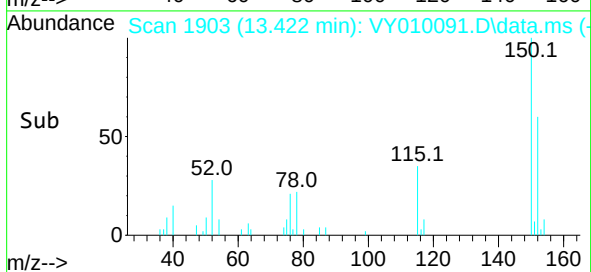
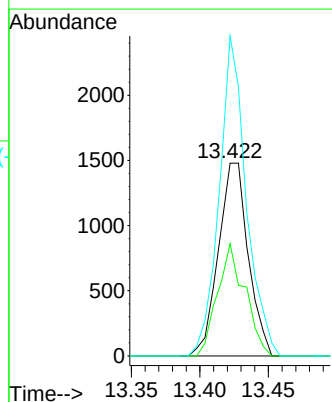
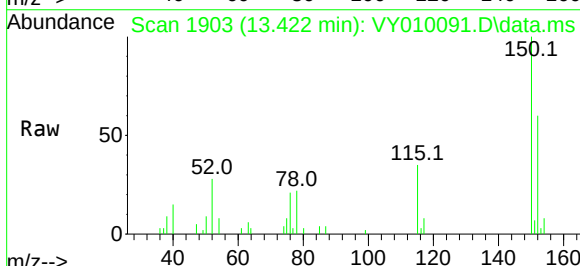
RT: 13.422 min Scan# 1903

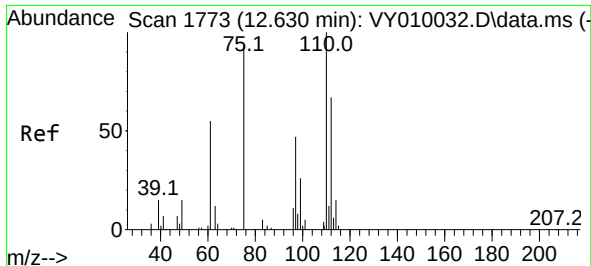
Delta R.T. -0.000 min

Lab File: VY010091.D

Acq: 18 Aug 2022 18:23

Tgt Ion:152	Resp:	2243
Ion	Ratio	Lower Upper
152	100	
115	53.5	28.1 84.3
150	149.8	0.0 346.6

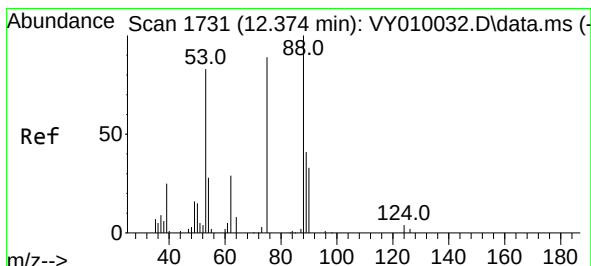
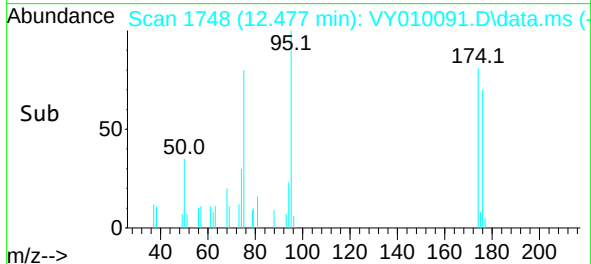
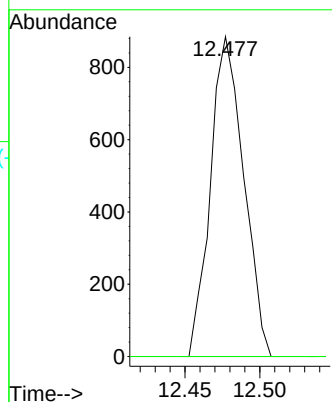
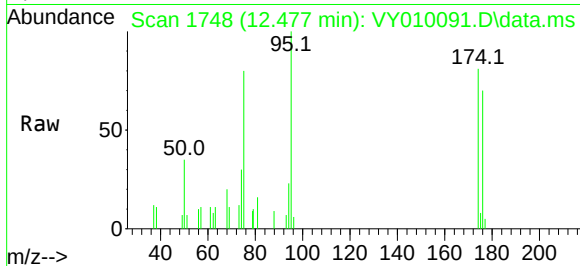




#76
1,2,3-Trichloropropane
Concen: 64.483 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

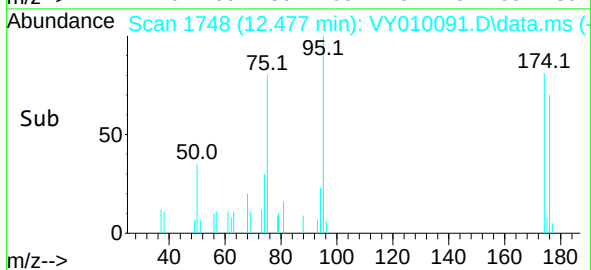
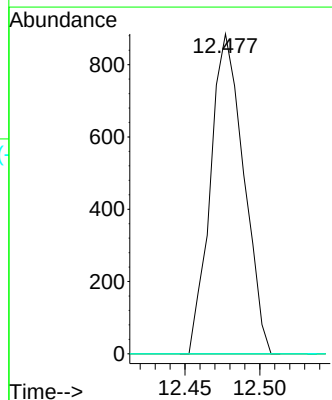
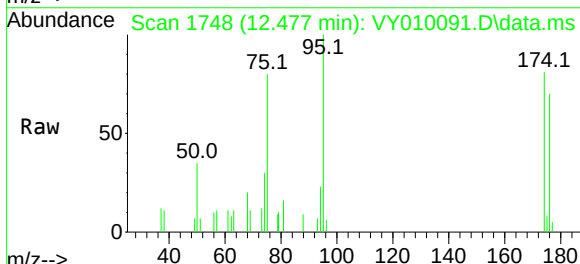
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622

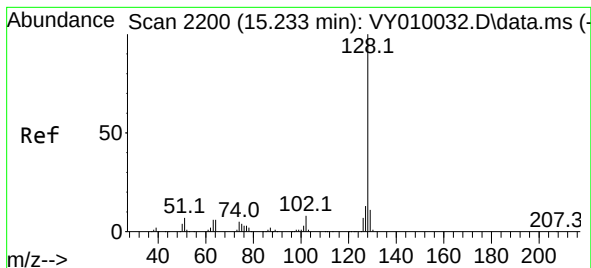
Tgt Ion: 75 Resp: 1371
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 145.725 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010091.D
Acq: 18 Aug 2022 18:23

Tgt Ion: 75 Resp: 1371
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#





#95

Naphthalene

Concen: 5.242 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010091.D

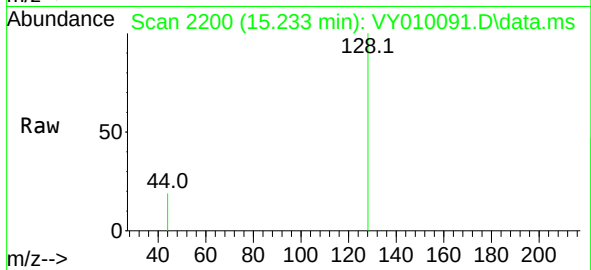
Acq: 18 Aug 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-081622



Tgt Ion:128 Resp: 374

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#

