

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010241.D
 Acq On : 31 Aug 2022 13:33
 Operator : KP/MD
 Sample : N4415-01
 Misc : 4.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-082622

Quant Time: Aug 31 14:45:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

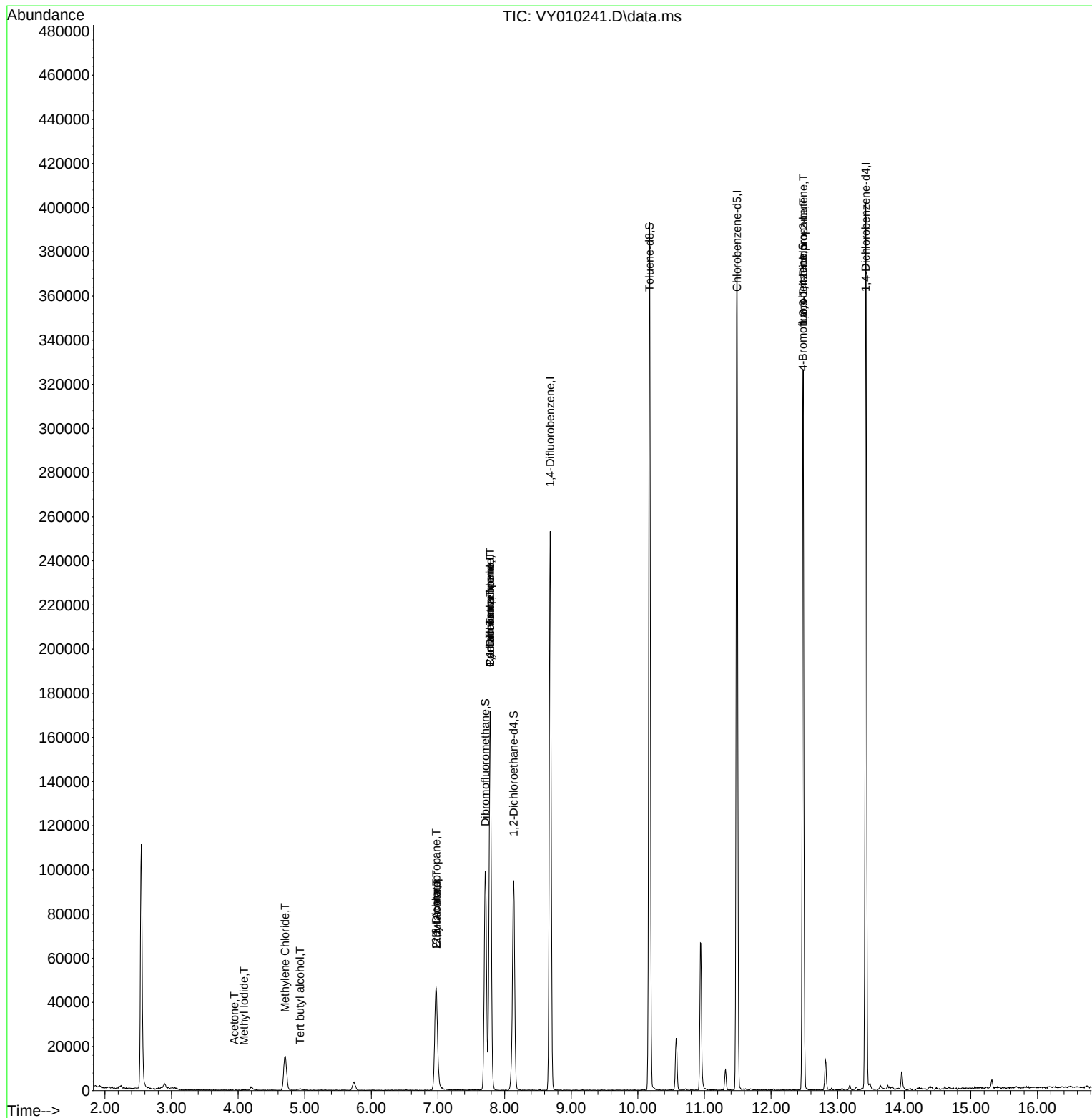
Internal Standards						
1) Pentafluorobenzene	7.783	168	145315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	229683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75051	61.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.620%	
35) Dibromofluoromethane	7.710	113	72265	54.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.179	98	264838	53.964	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.920%	
62) 4-Bromofluorobenzene	12.477	95	92280	50.428	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.860%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	385	1.654	ug/l #	52
11) Tert butyl alcohol	4.930	59	616	5.032	ug/l #	77
16) Acetone	3.942	43	794	3.086	ug/l #	76
20) Methylene Chloride	4.704	84	13020	8.596	ug/l #	76
25) 2-Butanone	6.978	43	2265	5.112	ug/l	95
26) 2,2-Dichloropropane	6.972	77	3509	1.678	ug/l #	55
31) Cyclohexane	7.783	56	2190	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8878	4.432	ug/l #	51
37) Ethyl Acetate	6.978	43	2265	2.145	ug/l #	1
38) Carbon Tetrachloride	7.783	117	13114	5.706	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	45268	41.826	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45268	87.263	ug/l #	7

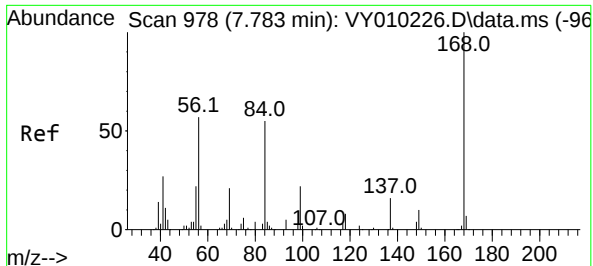
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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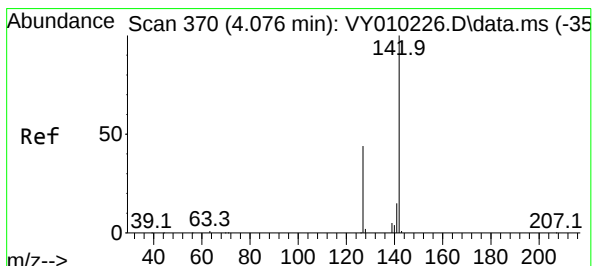
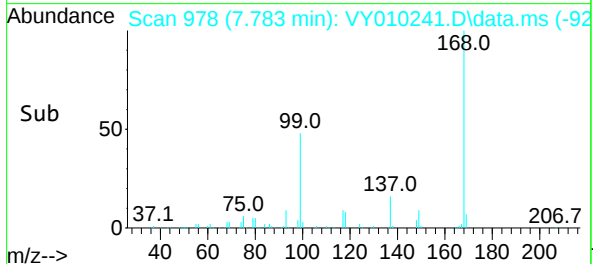
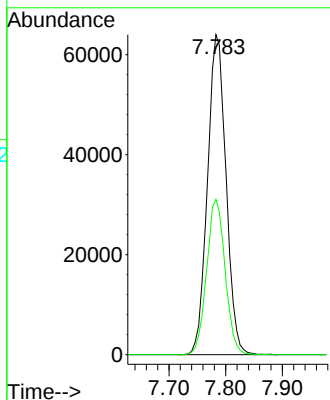
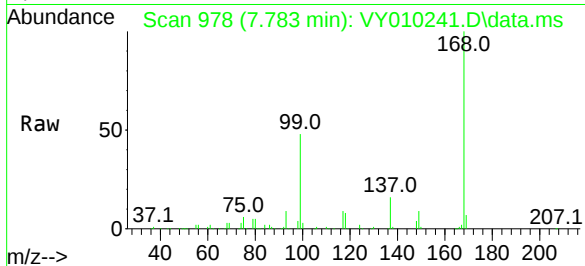




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

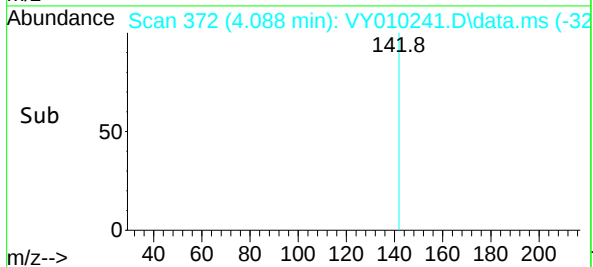
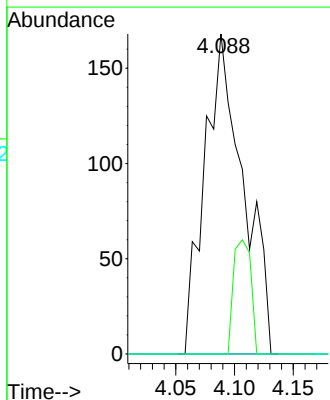
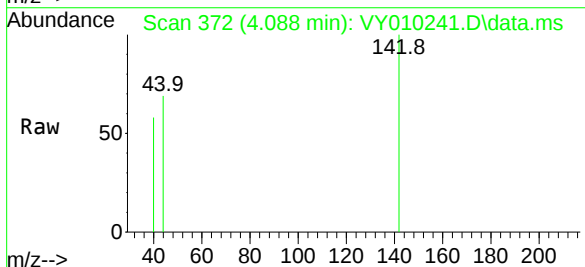
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

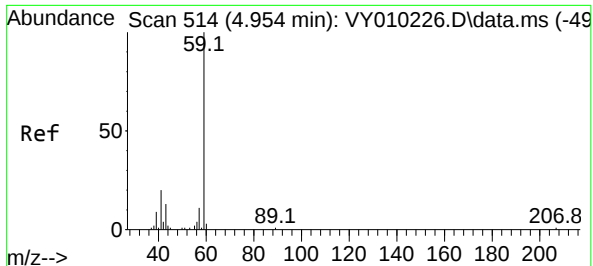
Tgt Ion:168 Resp: 145315
Ion Ratio Lower Upper
168 100
99 48.5 46.9 70.3



#10
Methyl Iodide
Concen: 1.654 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.012 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion:142 Resp: 385
Ion Ratio Lower Upper
142 100
127 15.8 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 5.032 ug/l

RT: 4.930 min Scan# 514

Delta R.T. -0.025 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

Instrument :

MSVOA_Y

ClientSampleId :

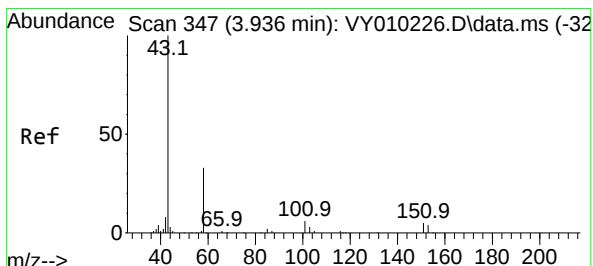
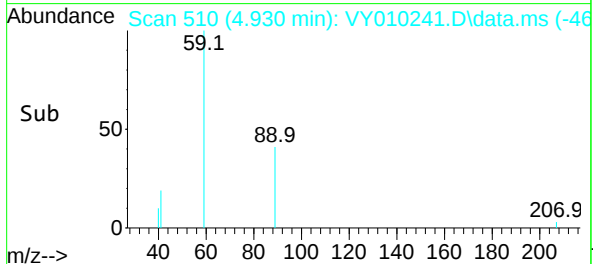
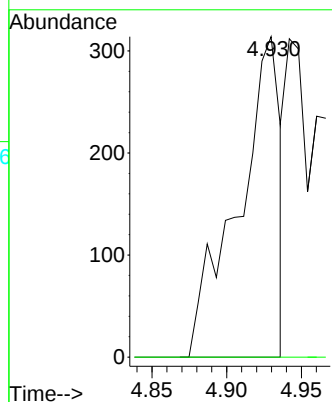
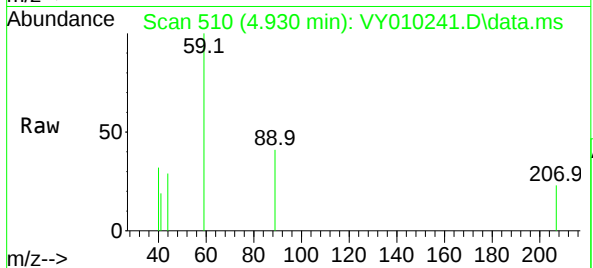
OR-02-082622

Tgt Ion: 59 Resp: 616

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 3.086 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010241.D

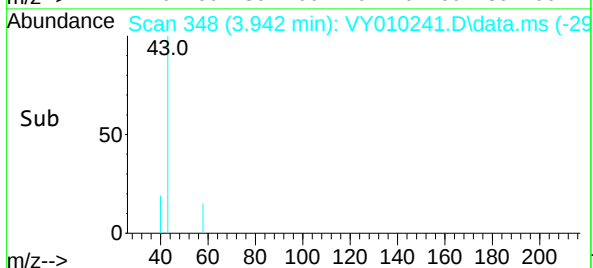
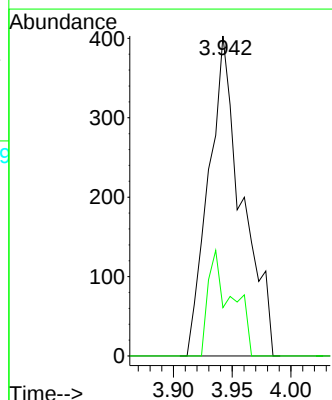
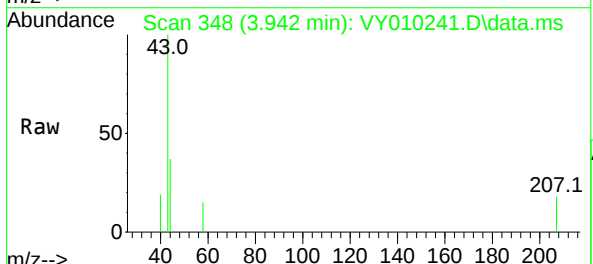
Acq: 31 Aug 2022 13:33

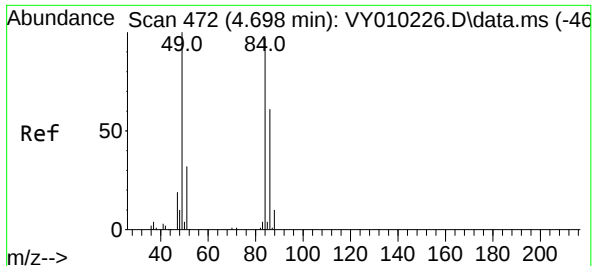
Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

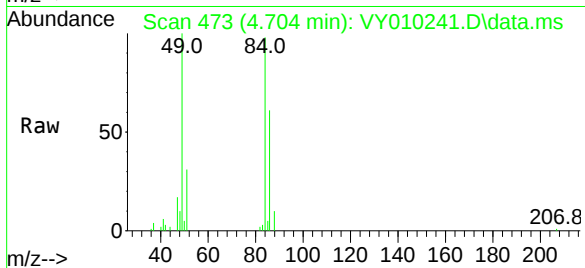
58 15.1 22.0 33.0#



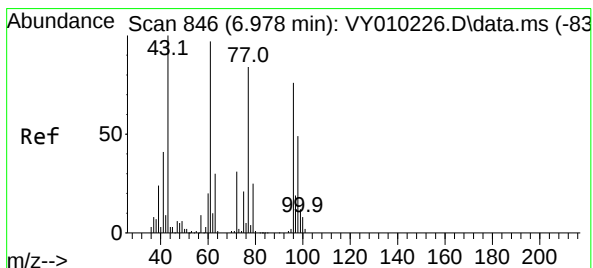
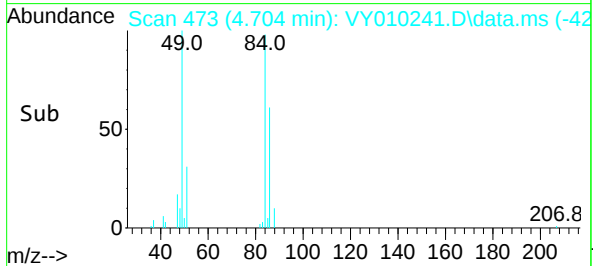
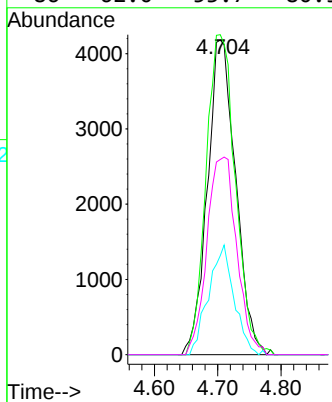


#20
Methylene Chloride
Concen: 8.596 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

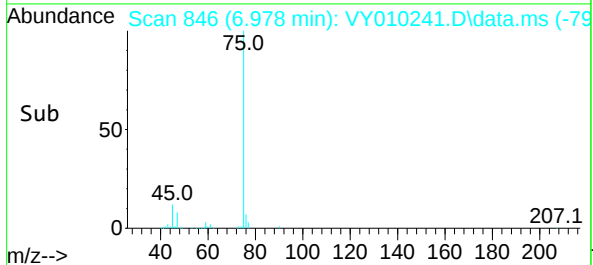
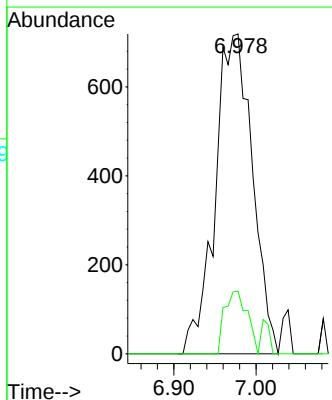
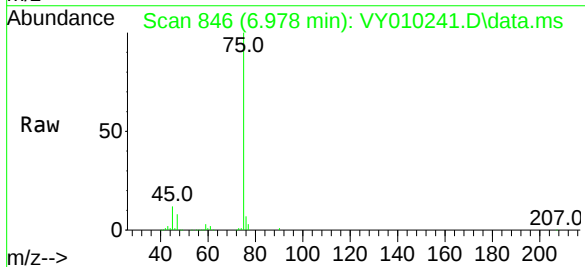


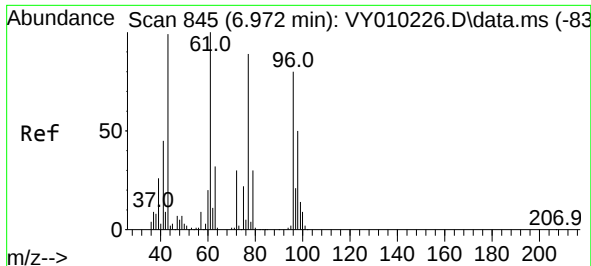
Tgt Ion: 84 Resp: 13020
Ion Ratio Lower Upper
84 100
49 101.7 114.4 171.6#
51 31.5 35.3 52.9#
86 62.0 53.7 80.5



#25
2-Butanone
Concen: 5.112 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
72 19.6 17.7 26.5





#26

2,2-Dichloropropane

Concen: 1.678 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

Instrument :

MSVOA_Y

ClientSampleId :

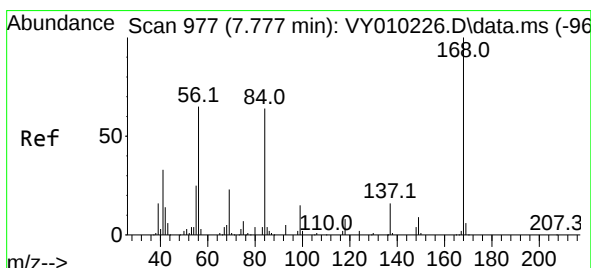
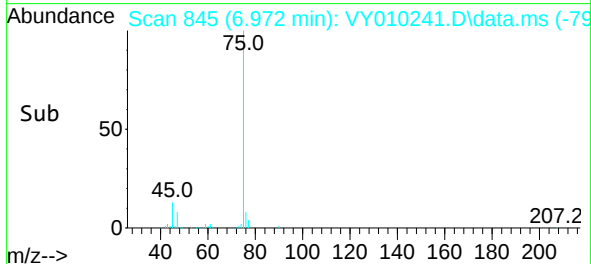
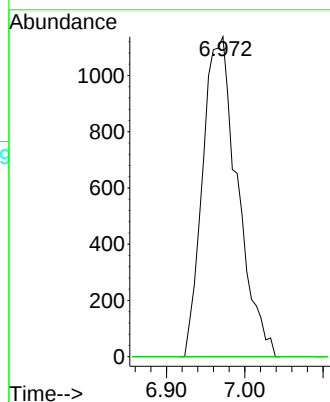
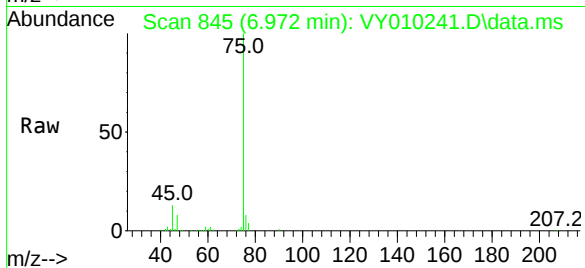
OR-02-082622

Tgt Ion: 77 Resp: 3509

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.002 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

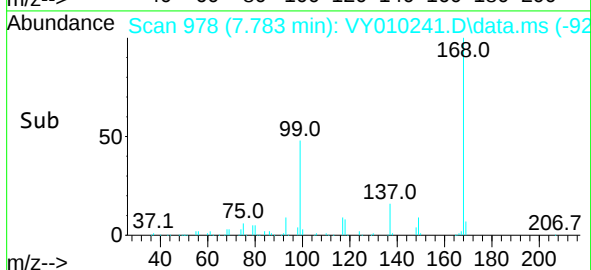
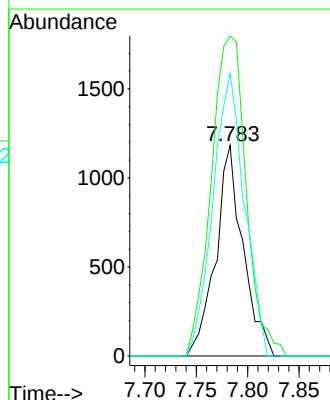
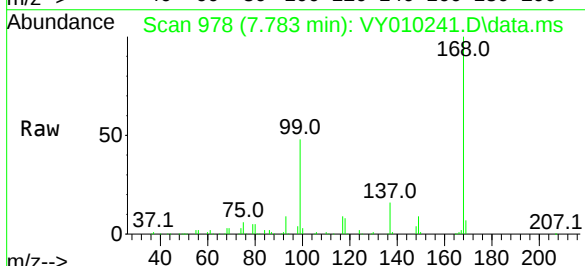
Tgt Ion: 56 Resp: 2190

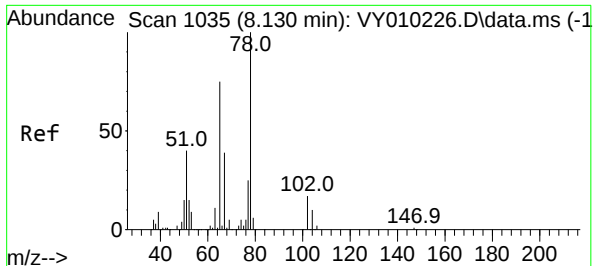
Ion Ratio Lower Upper

56 100

69 152.0 26.7 40.1#

84 134.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.307 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

Instrument :

MSVOA_Y

ClientSampleId :

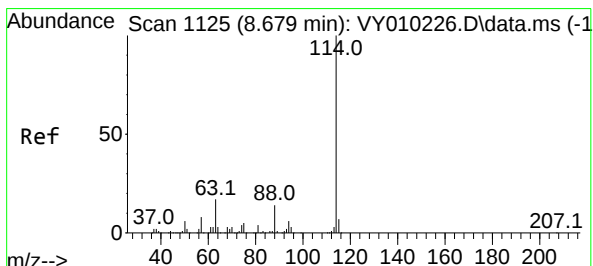
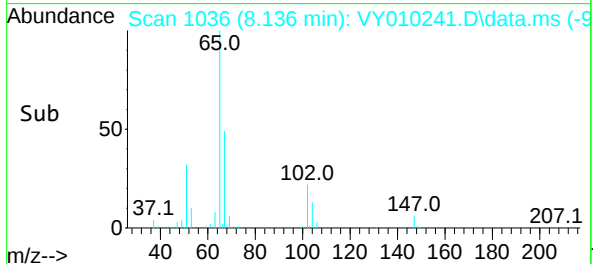
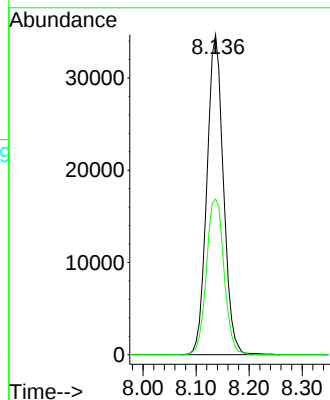
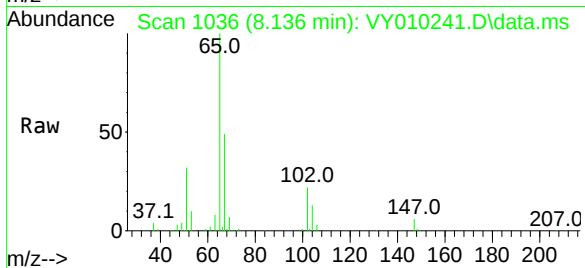
OR-02-082622

Tgt Ion: 65 Resp: 75051

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

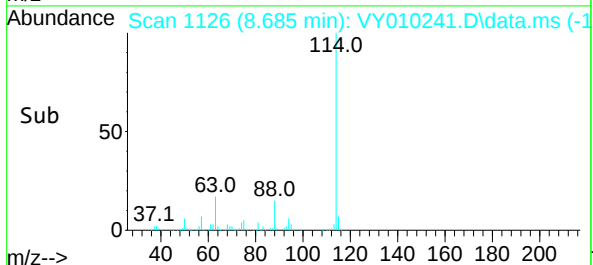
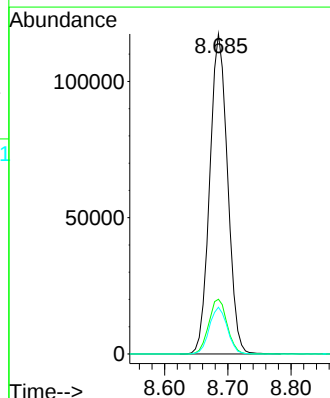
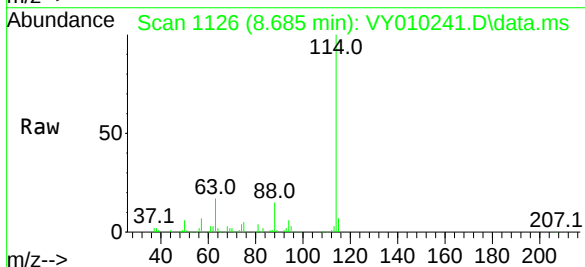
Tgt Ion: 114 Resp: 229683

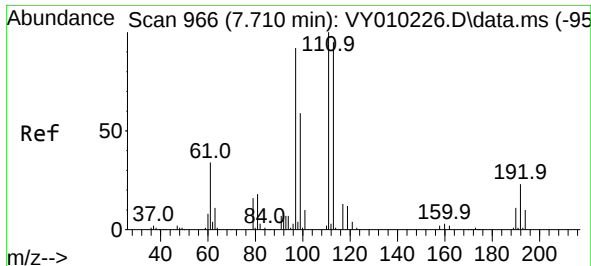
Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 14.6 0.0 31.8

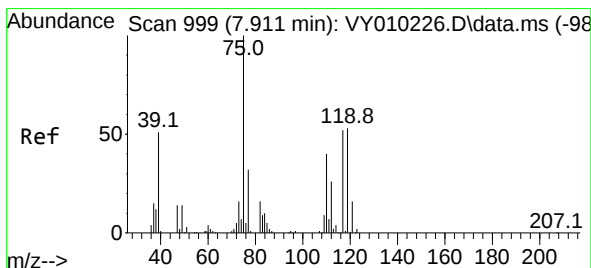
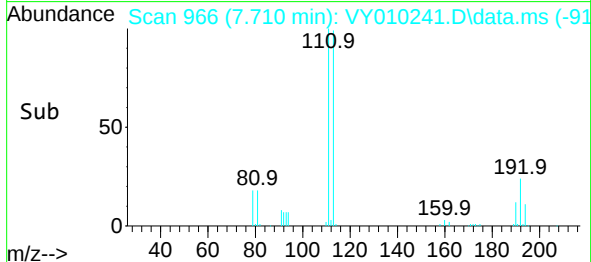
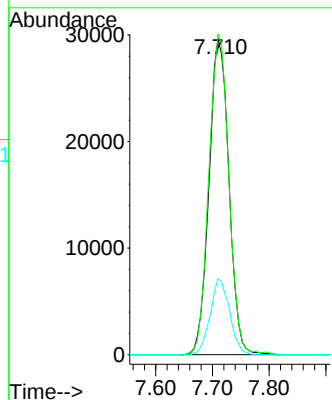
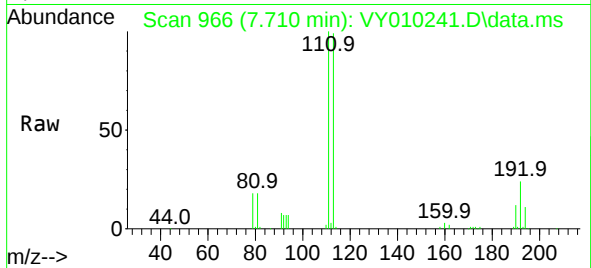




#35
Dibromofluoromethane
Concen: 54.691 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

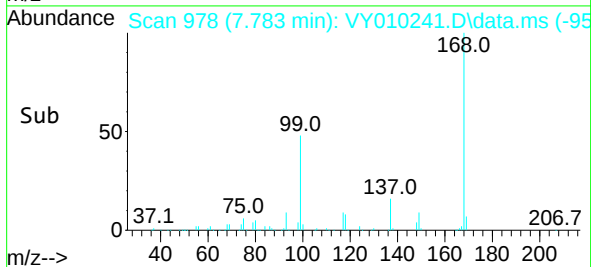
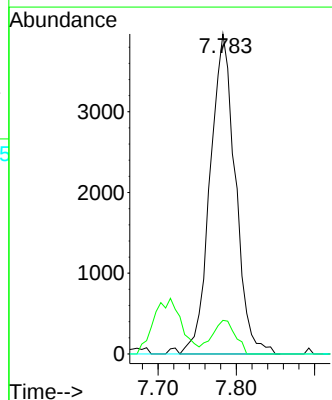
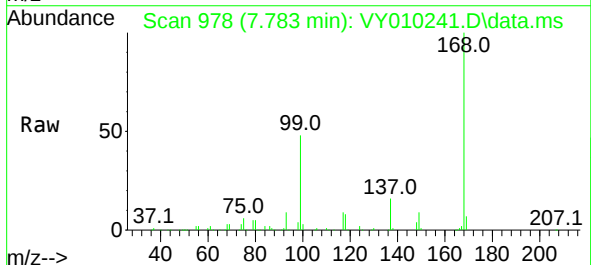
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

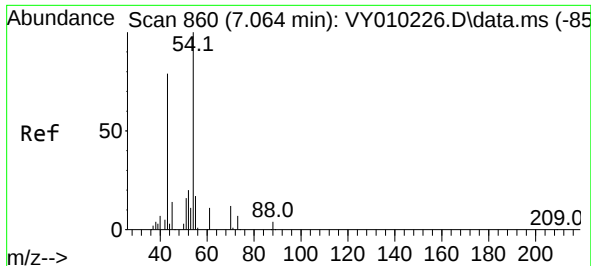
Tgt Ion:	113	Resp:	72265
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	23.4	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion:	75	Resp:	8878
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 2.145 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY010241.D

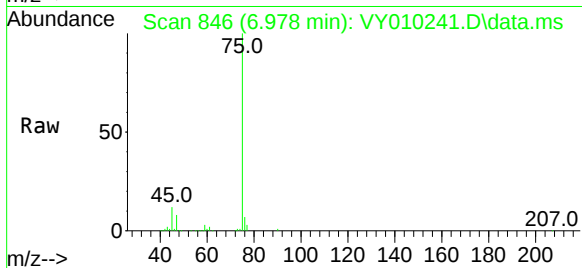
Acq: 31 Aug 2022 13:33

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-082622



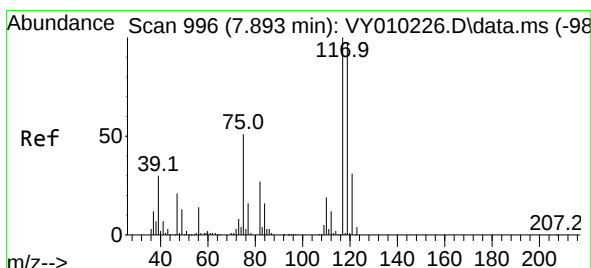
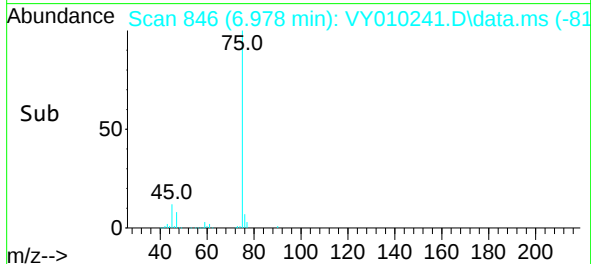
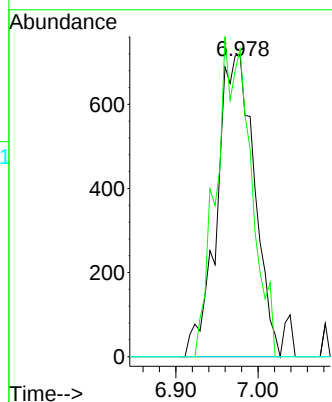
Tgt Ion: 43 Resp: 2265

Ion Ratio Lower Upper

43 100

61 98.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.706 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010241.D

Acq: 31 Aug 2022 13:33

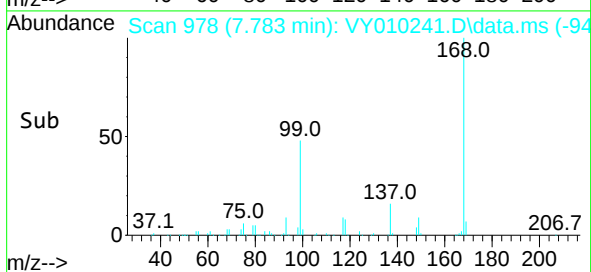
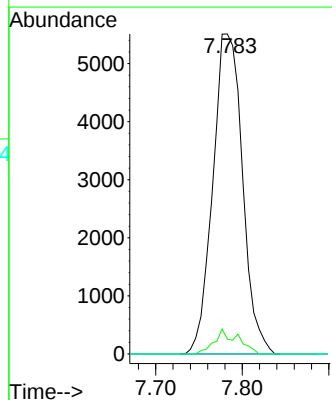
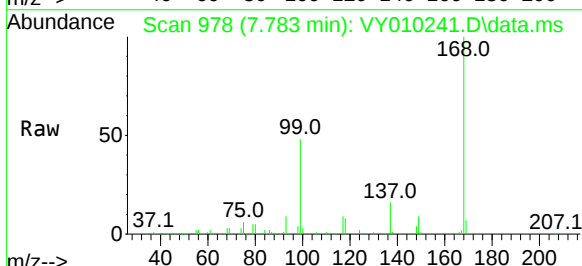
Tgt Ion: 117 Resp: 13114

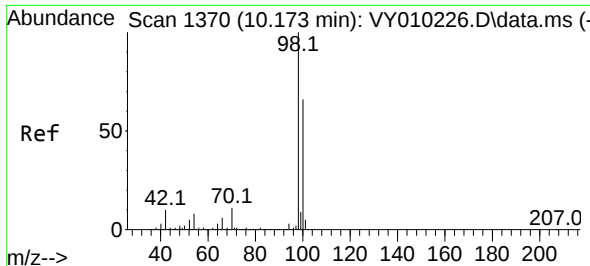
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

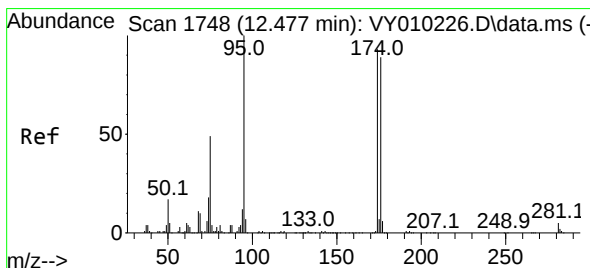
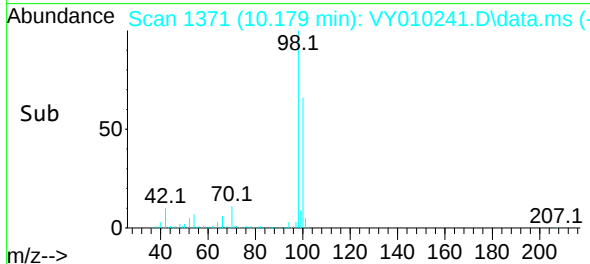
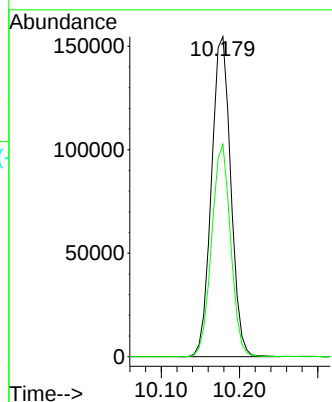
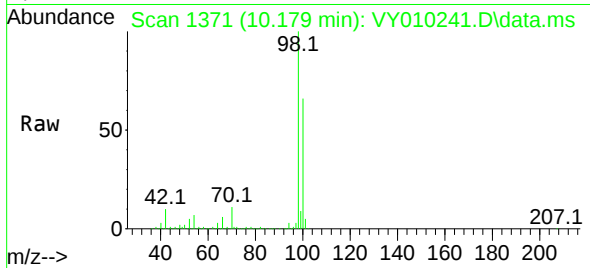




#50
Toluene-d8
Concen: 53.964 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

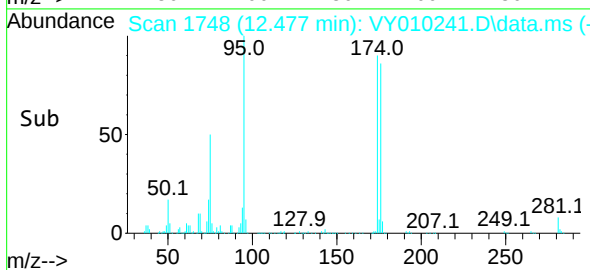
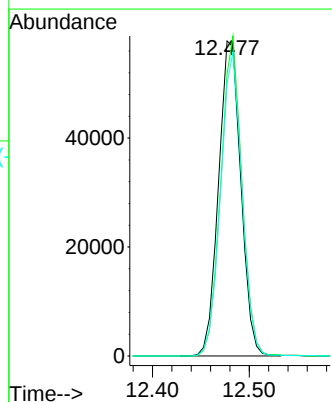
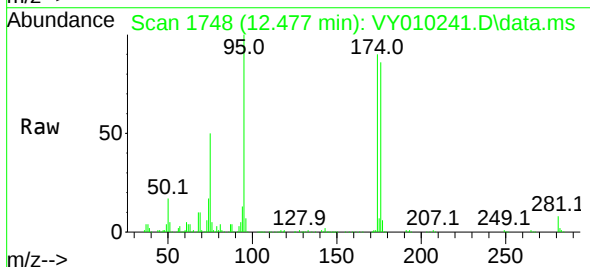
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

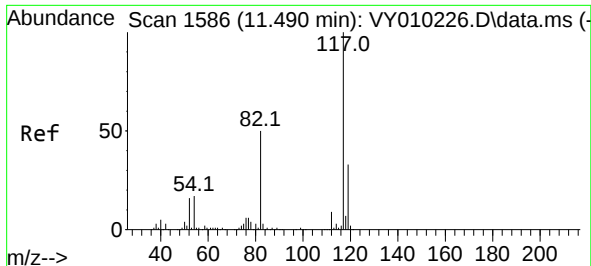
Tgt Ion: 98 Resp: 264838
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.428 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion: 95 Resp: 92280
Ion Ratio Lower Upper
95 100
174 96.2 0.0 177.0
176 92.7 0.0 175.8

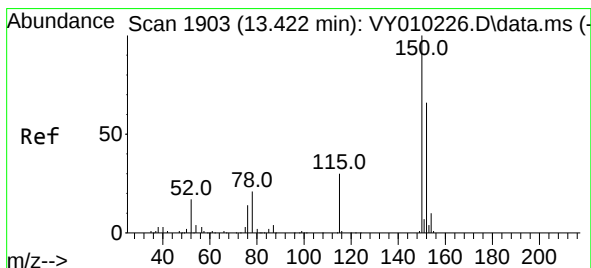
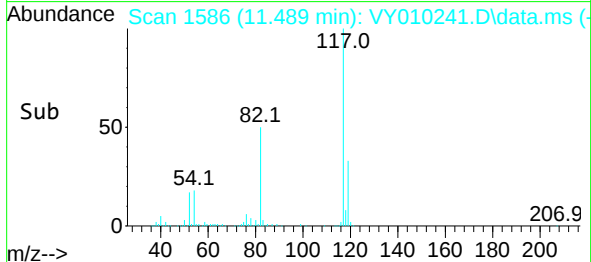
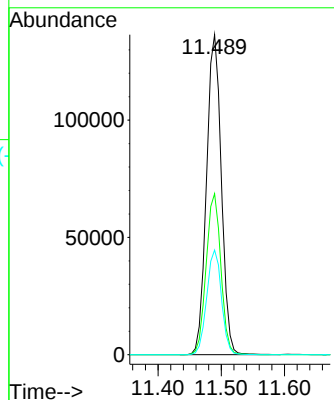
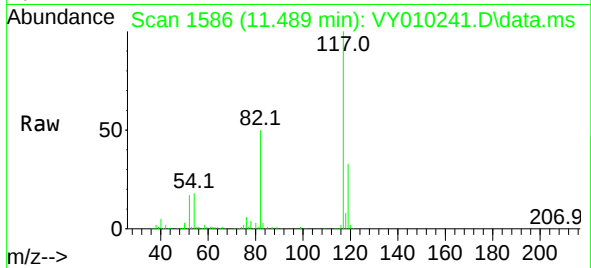




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

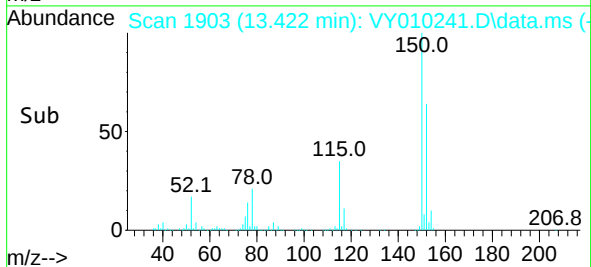
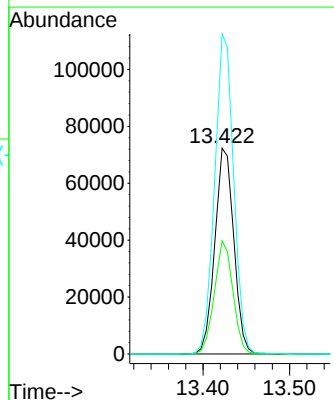
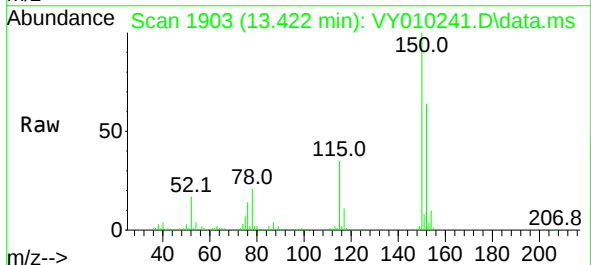
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

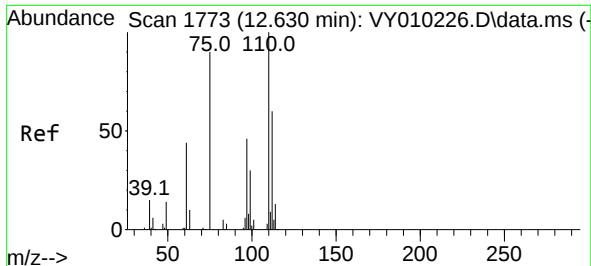
Tgt Ion:117 Resp: 222480
Ion Ratio Lower Upper
117 100
82 50.3 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion:152 Resp: 110067
Ion Ratio Lower Upper
152 100
115 53.6 28.2 84.7
150 156.2 0.0 347.6

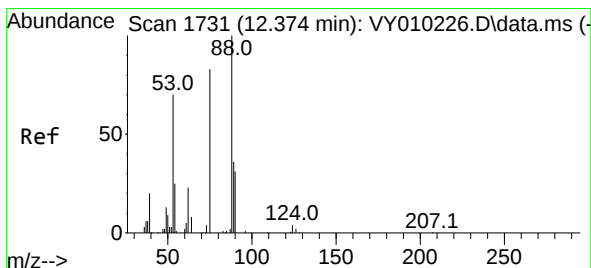
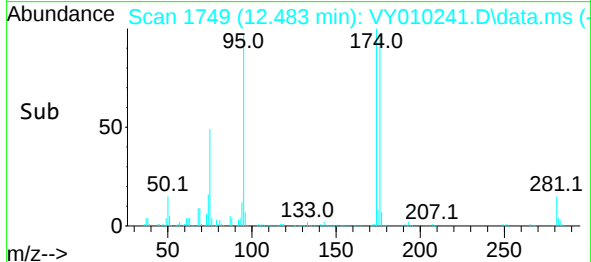
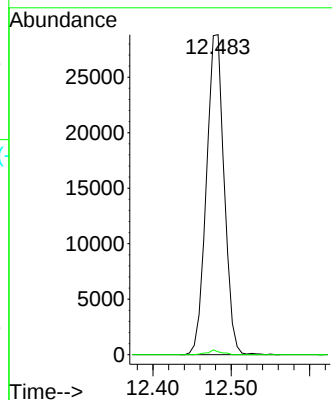
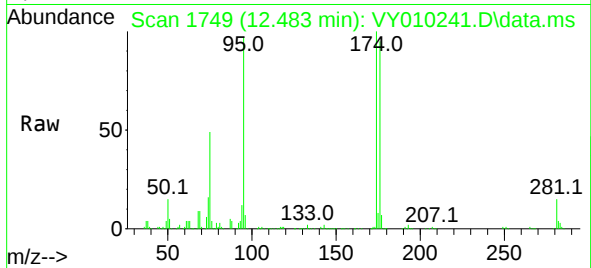




#76
1,2,3-Trichloropropane
Concen: 41.826 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-082622

Tgt Ion: 75 Resp: 45268
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.263 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY010241.D
Acq: 31 Aug 2022 13:33

Tgt Ion: 75 Resp: 45268
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

