

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010734.D
 Acq On : 29 Sep 2022 16:22
 Operator : KP/MD
 Sample : N4851-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-092722

Quant Time: Sep 30 08:22:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

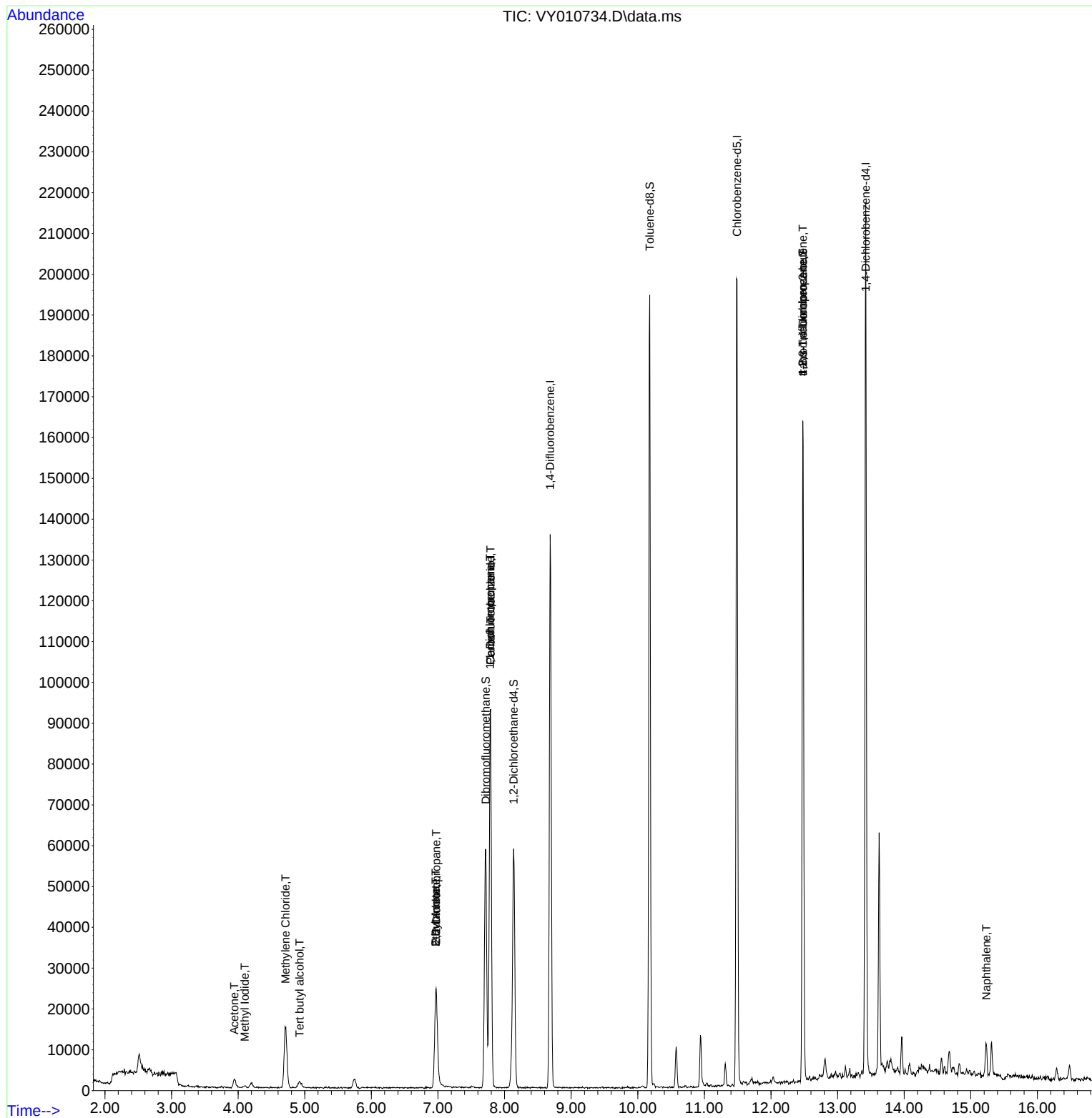
Internal Standards						
1) Pentafluorobenzene	7.789	168	72943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	118030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	112582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	42476	60.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.760%			
35) Dibromofluoromethane	7.716	113	41891	55.612	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.220%			
50) Toluene-d8	10.179	98	126994	45.891	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.780%			
62) 4-Bromofluorobenzene	12.477	95	48558	46.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.660%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	463	Below Cal		94
4) Vinyl Chloride	2.266	62	20	Below Cal	#	43
5) Bromomethane	2.650	94	591	Below Cal	#	50
10) Methyl Iodide	4.101	142	729	1.094	ug/l #	84
11) Tert butyl alcohol	4.924	59	2018	22.148	ug/l #	77
16) Acetone	3.942	43	3895	27.376	ug/l	90
17) Carbon Disulfide	4.192	76	256	Below Cal	#	75
18) Methyl Acetate	4.515	43	18	Below Cal	#	56
20) Methylene Chloride	4.710	84	11258	3.941	ug/l #	77
25) 2-Butanone	6.966	43	1836	8.250	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	1834	1.734	ug/l #	55
31) Cyclohexane	7.789	56	1491	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	5550	6.613	ug/l #	51
37) Ethyl Acetate	6.966	43	1836	3.787	ug/l #	9
38) Carbon Tetrachloride	7.789	117	7247	7.509	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	24875	48.753	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24875	108.400	ug/l #	7
95) Naphthalene	15.233	128	7841	4.488	ug/l	97

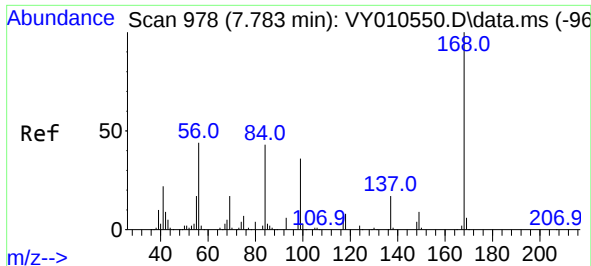
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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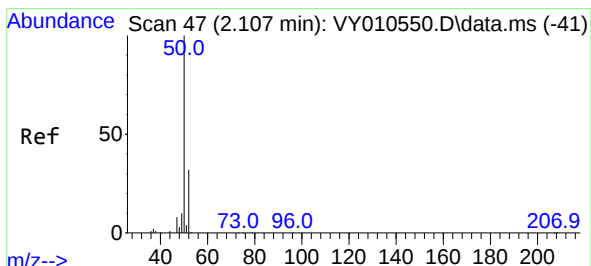
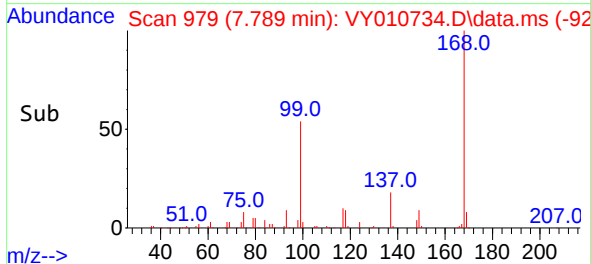
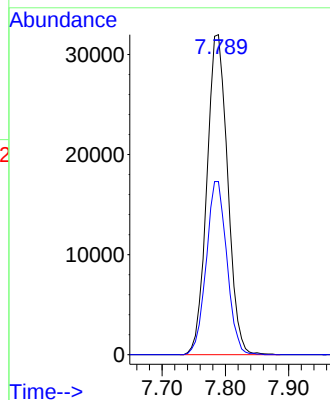
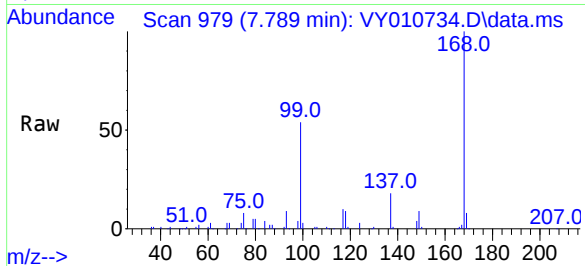




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

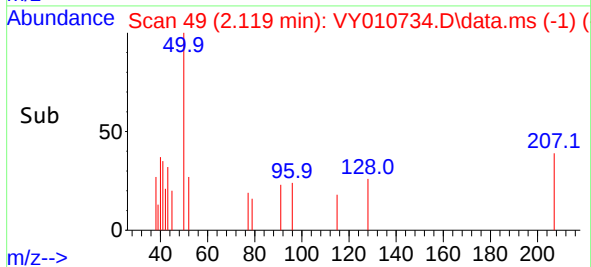
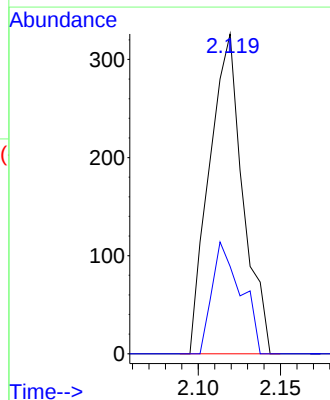
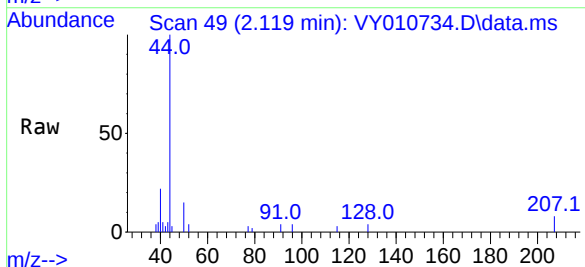
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

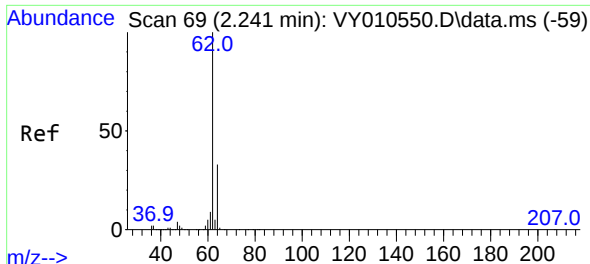
Tgt Ion:168 Resp: 72943
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 27.3 24.6 37.0

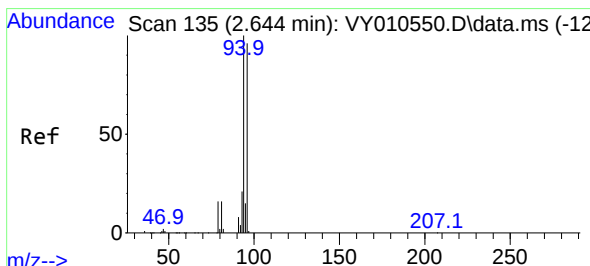
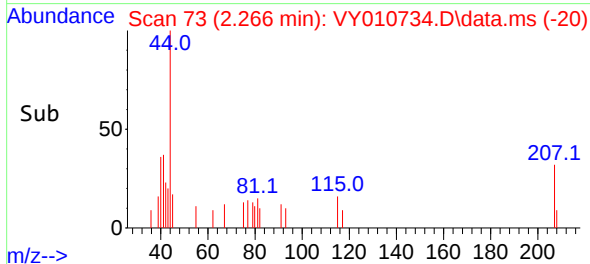
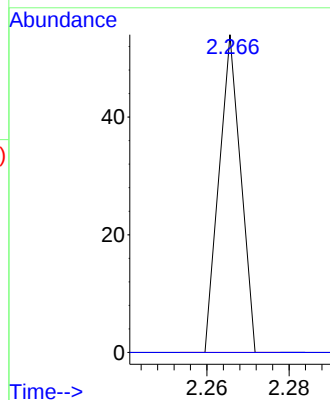
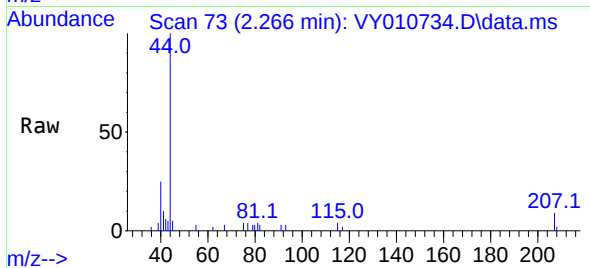




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.266 min Scan# 71
 Delta R.T. 0.025 min
 Lab File: VY010734.D
 Acq: 29 Sep 2022 16:22

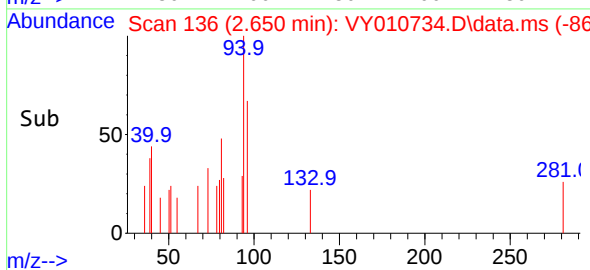
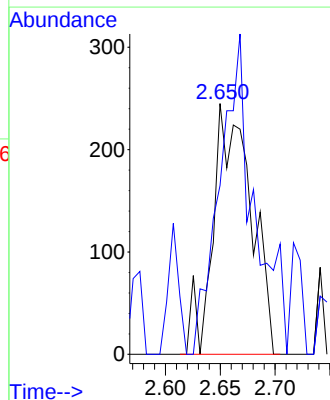
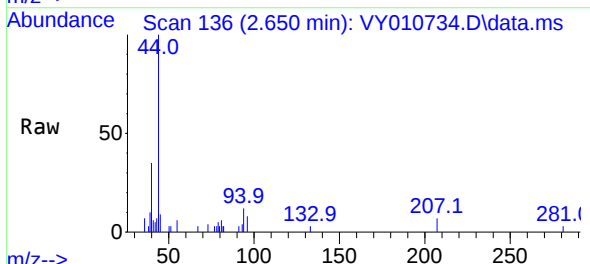
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-092722

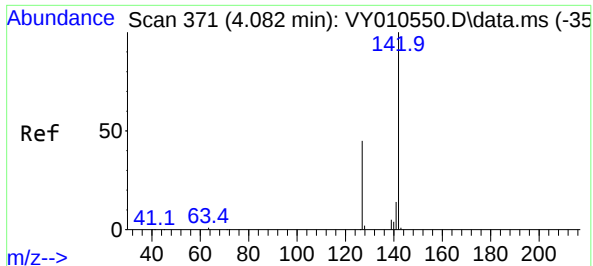
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.650 min Scan# 136
 Delta R.T. 0.006 min
 Lab File: VY010734.D
 Acq: 29 Sep 2022 16:22

Tgt Ion: 94 Resp: 591
 Ion Ratio Lower Upper
 94 100
 96 44.1 73.5 110.3#

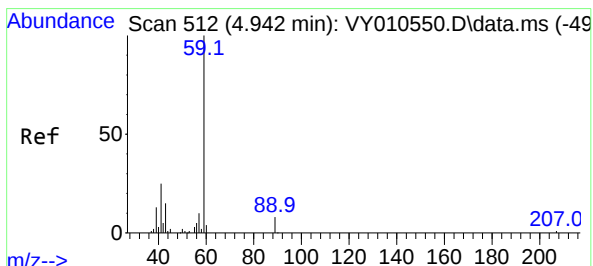
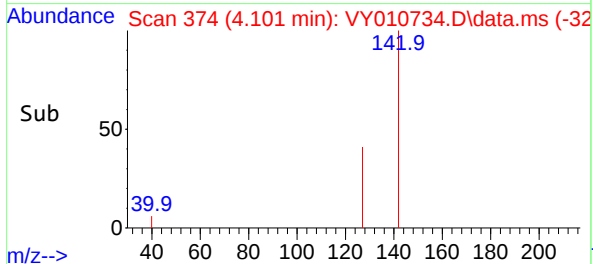
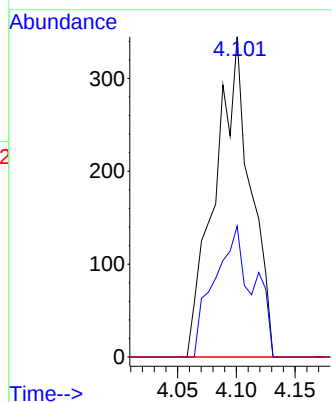
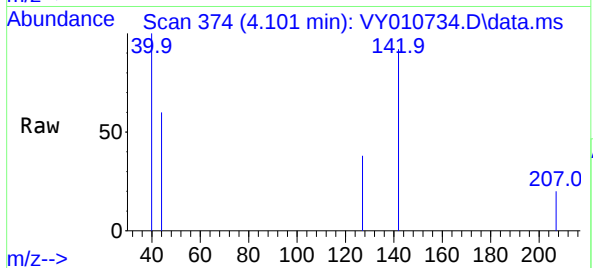




#10
Methyl Iodide
Concen: 1.094 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

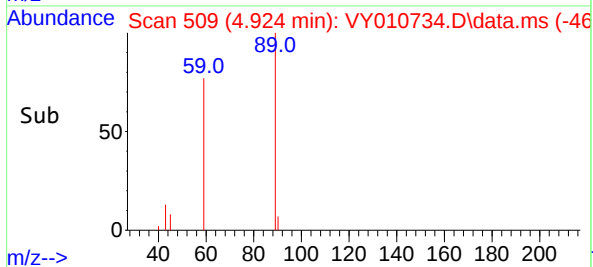
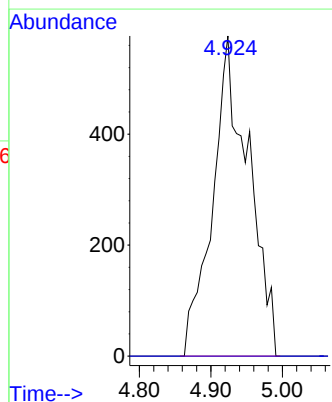
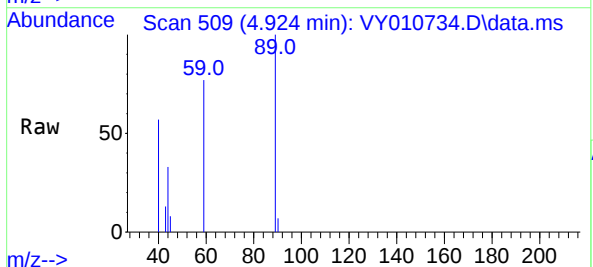
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

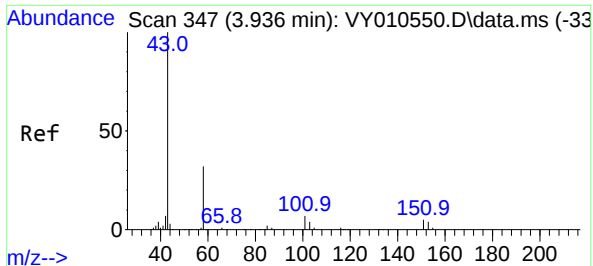
Tgt Ion:	142	Resp:	729
Ion	Ratio	Lower	Upper
142	100		
127	44.4	41.5	62.3
141	0.0	11.9	17.9#



#11
Tert butyl alcohol
Concen: 22.148 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion:	59	Resp:	2018
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.4	9.6#

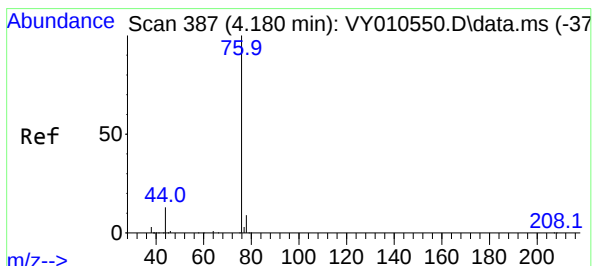
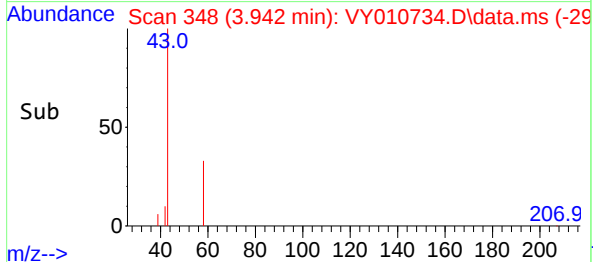
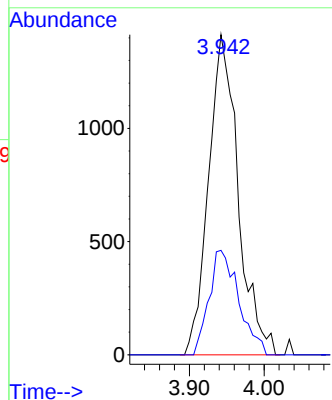
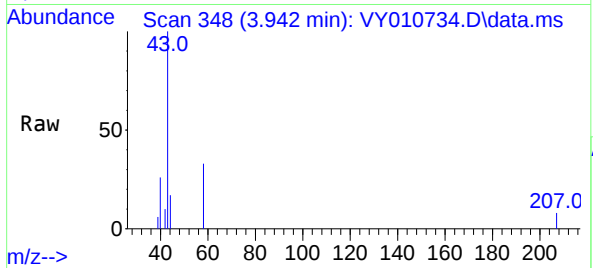




#16
Acetone
Concen: 27.376 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

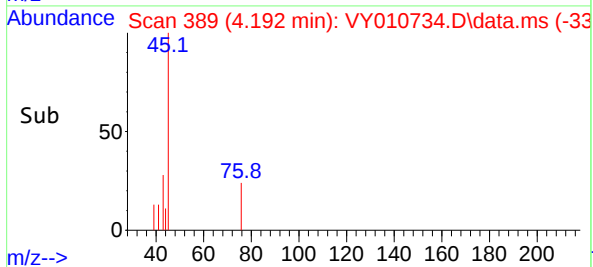
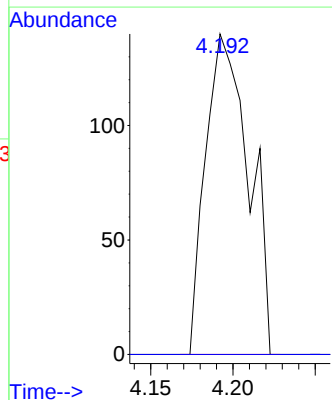
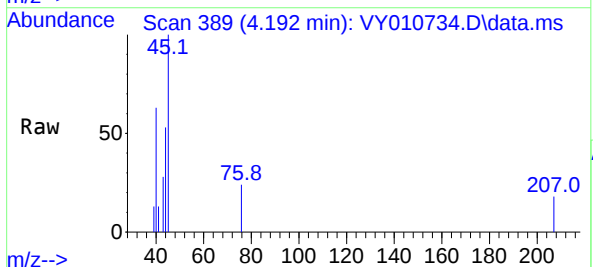
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

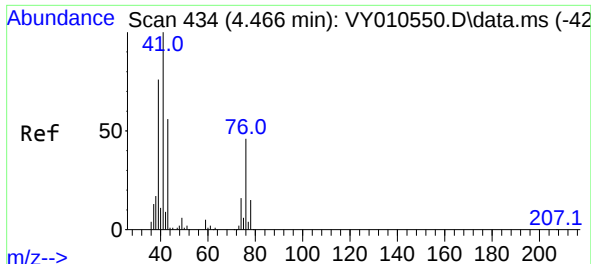
Tgt Ion: 43 Resp: 3895
Ion Ratio Lower Upper
43 100
58 32.6 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 76 Resp: 256
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

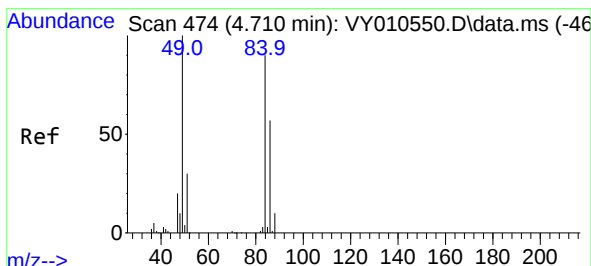
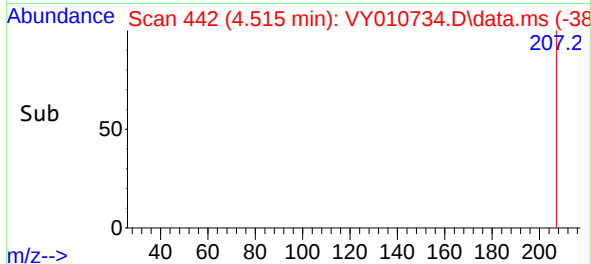
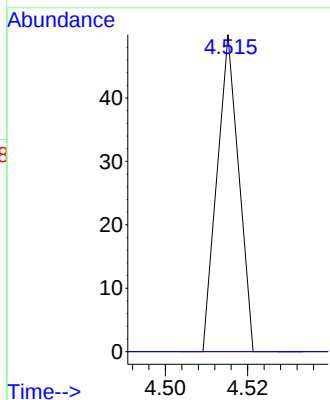
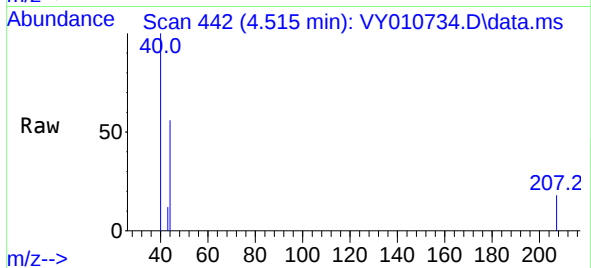




#18
Methyl Acetate
Concen: Below Cal
RT: 4.515 min Scan# 442
Delta R.T. 0.049 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

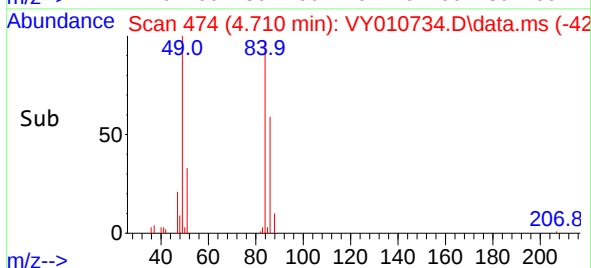
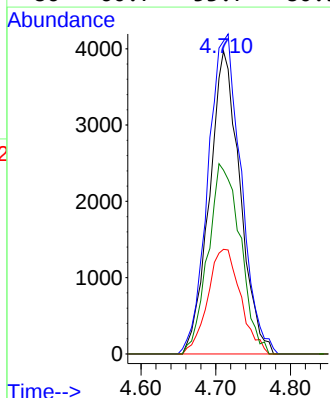
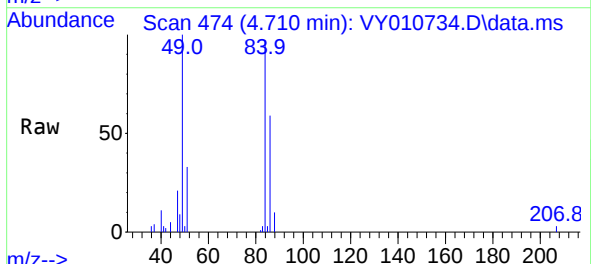
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

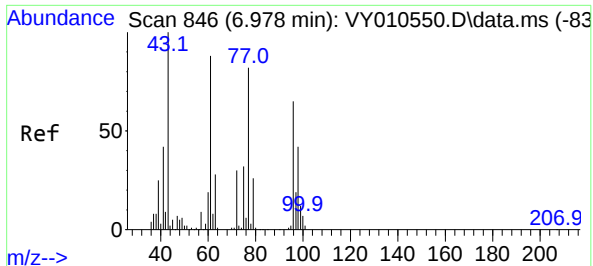
Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.941 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 84 Resp: 11258
Ion Ratio Lower Upper
84 100
49 103.3 114.4 171.6#
51 34.6 35.3 52.9#
86 60.7 53.7 80.5





#25

2-Butanone

Concen: 8.250 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010734.D

Acq: 29 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

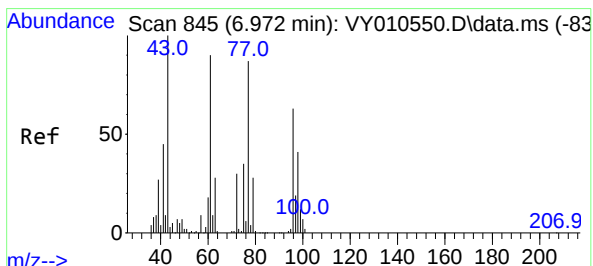
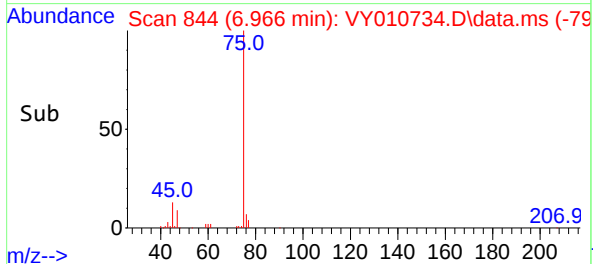
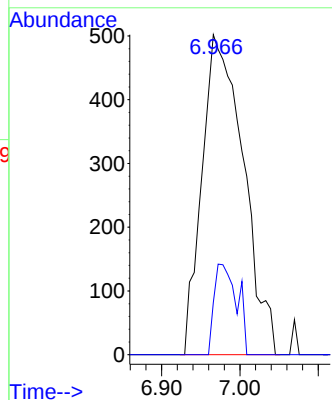
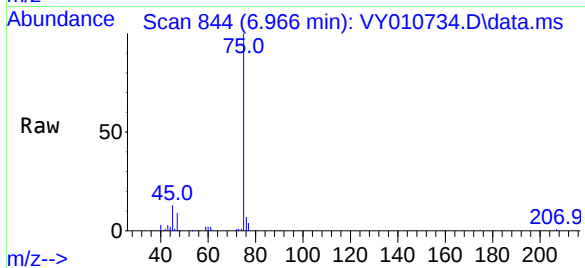
OR-02-092722

Tgt Ion: 43 Resp: 1836

Ion Ratio Lower Upper

43 100

72 16.3 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.734 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010734.D

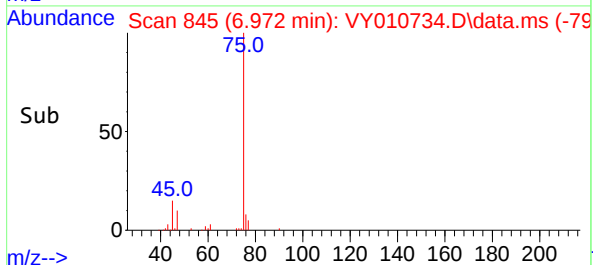
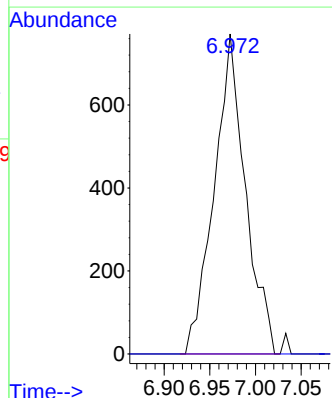
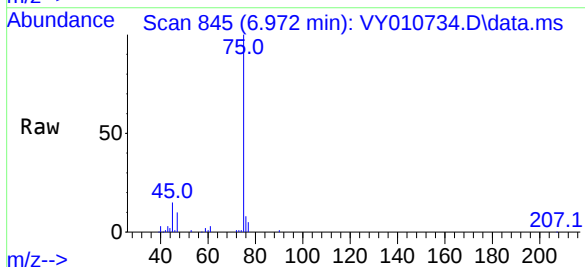
Acq: 29 Sep 2022 16:22

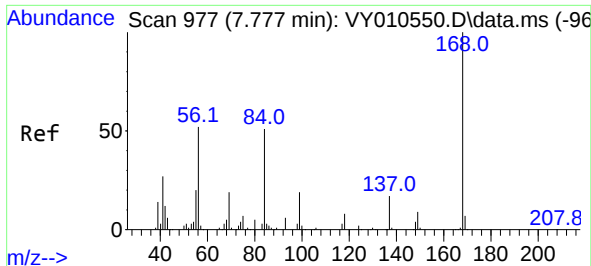
Tgt Ion: 77 Resp: 1834

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

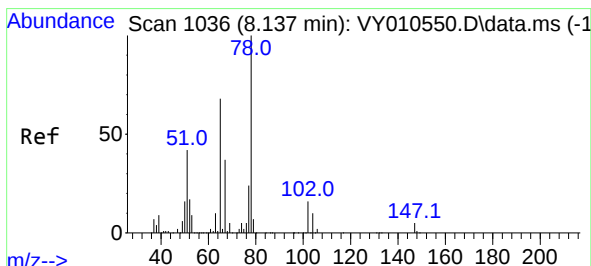
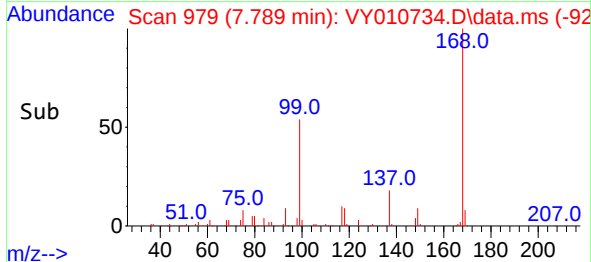
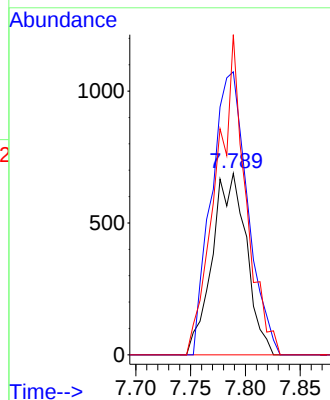
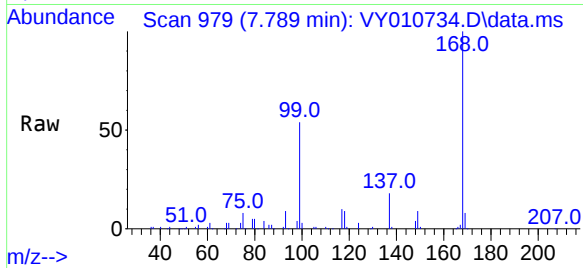




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

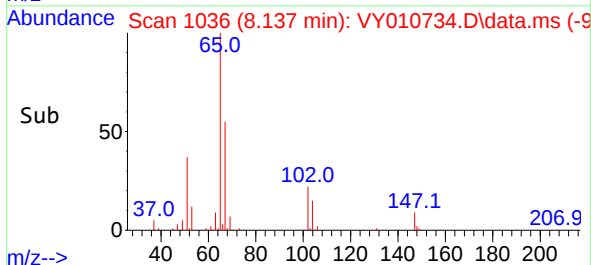
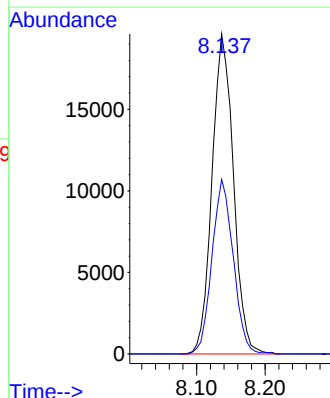
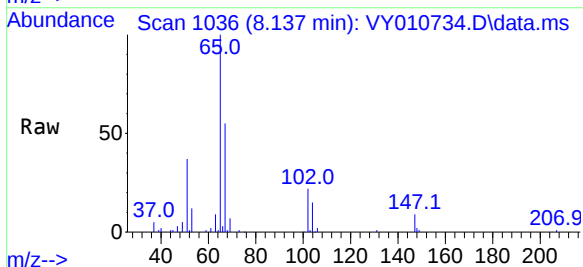
Instrument :
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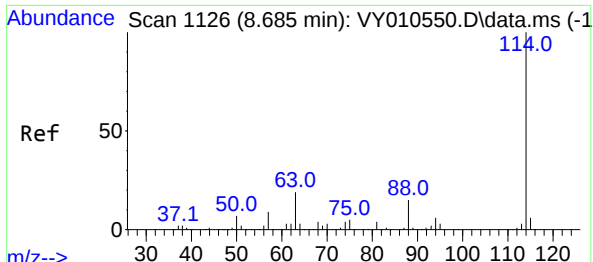
Tgt Ion: 56 Resp: 1491
Ion Ratio Lower Upper
56 100
69 156.0 26.7 40.1#
84 176.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.882 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 65 Resp: 42476
Ion Ratio Lower Upper
65 100
67 54.4 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: VY010734.D

Acq: 29 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-092722

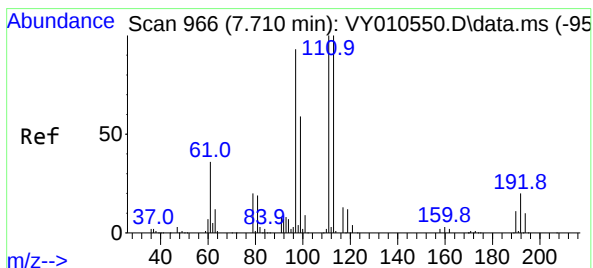
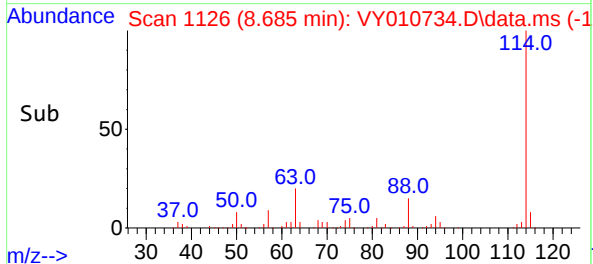
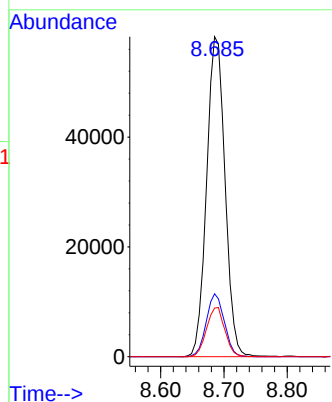
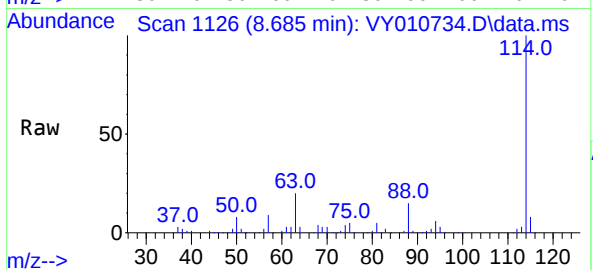
Tgt Ion:114 Resp: 118030

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.612 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010734.D

Acq: 29 Sep 2022 16:22

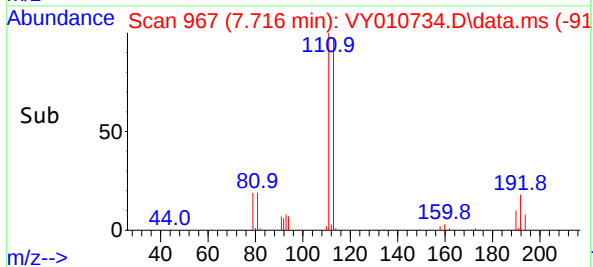
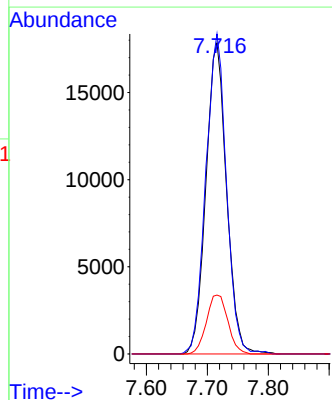
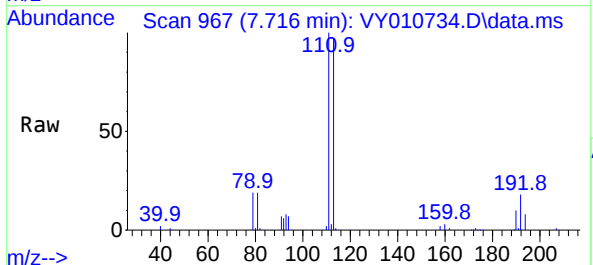
Tgt Ion:113 Resp: 41891

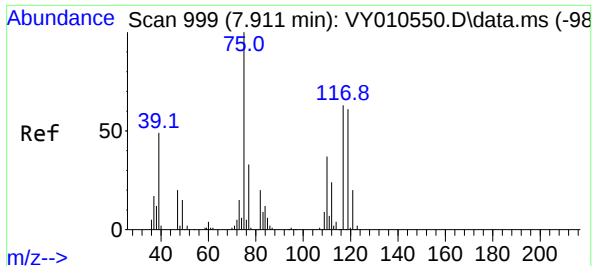
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.613 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010734.D

Acq: 29 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-092722

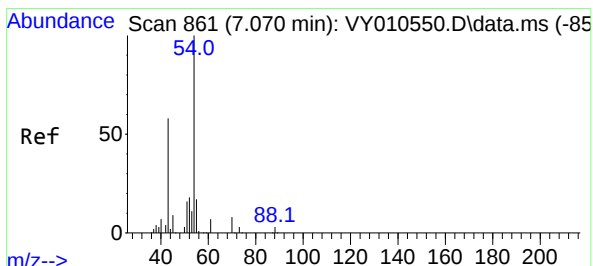
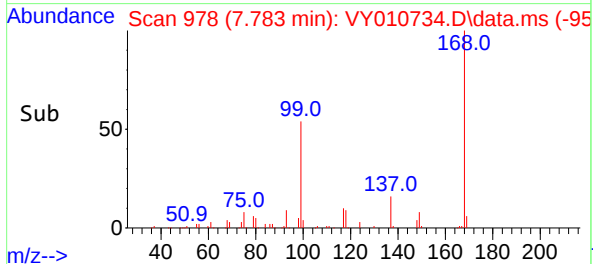
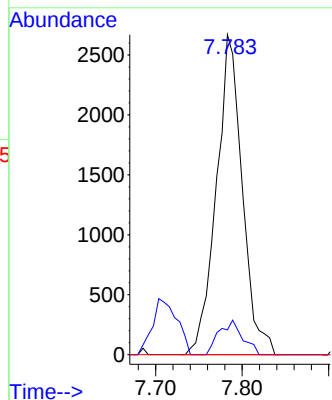
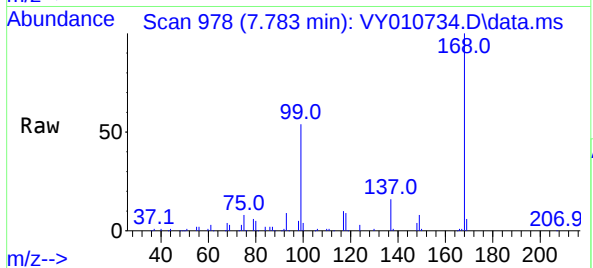
Tgt Ion: 75 Resp: 5550

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.787 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.104 min

Lab File: VY010734.D

Acq: 29 Sep 2022 16:22

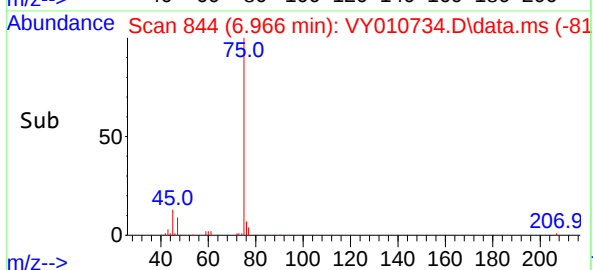
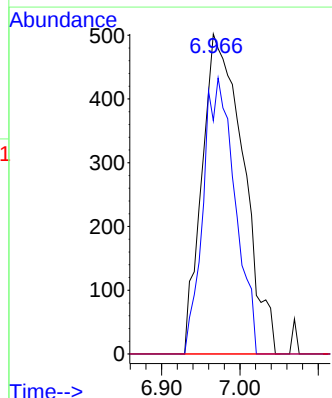
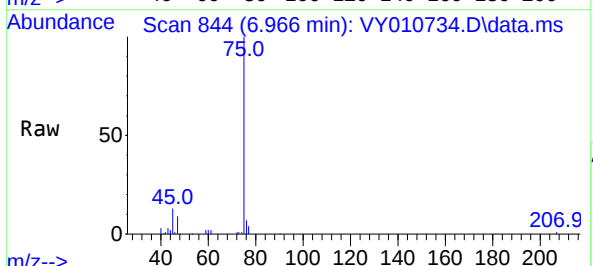
Tgt Ion: 43 Resp: 1836

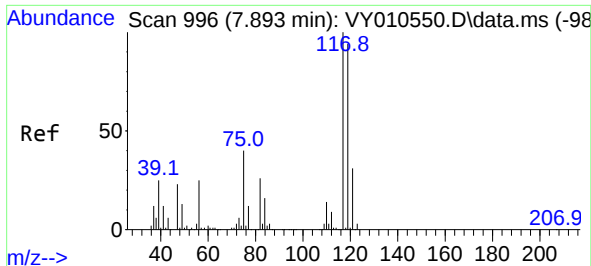
Ion Ratio Lower Upper

43 100

61 66.8 9.7 14.5#

70 0.0 7.1 10.7#

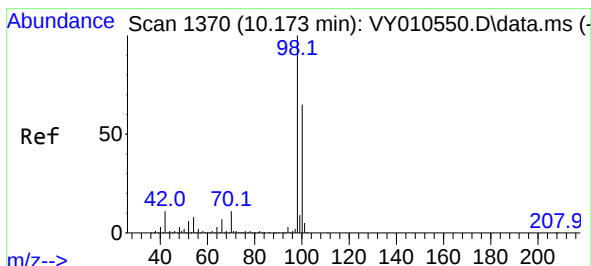
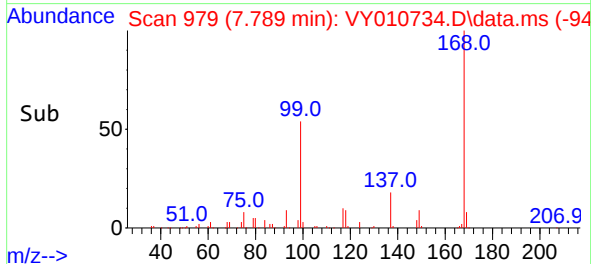
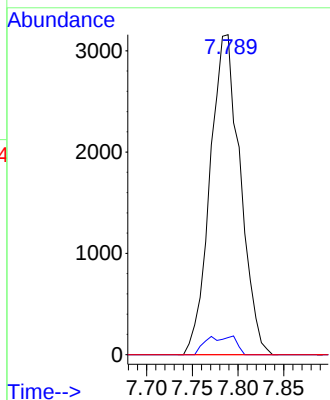
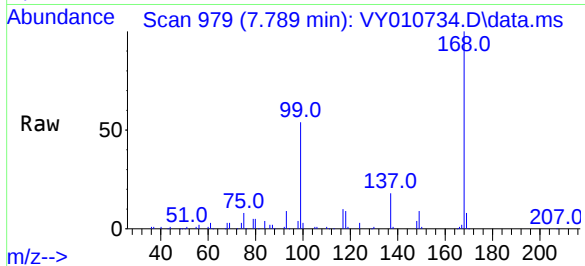




#38
Carbon Tetrachloride
Concen: 7.509 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

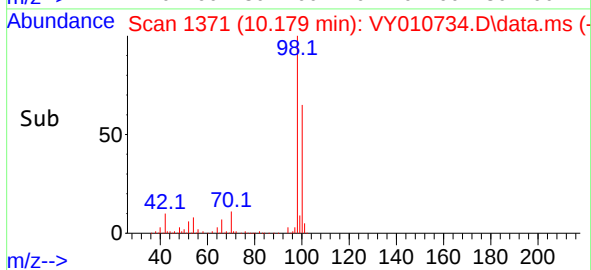
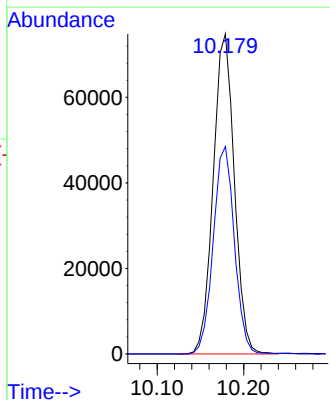
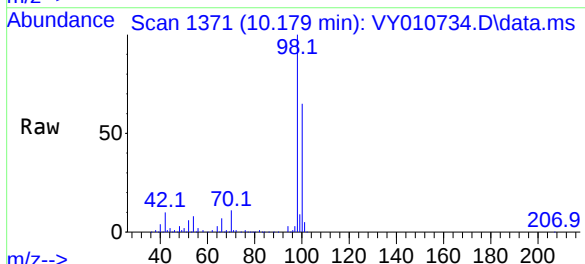
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

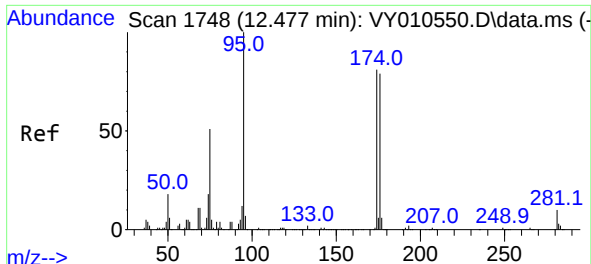
Tgt Ion:117 Resp: 7247
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.891 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 98 Resp: 126994
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

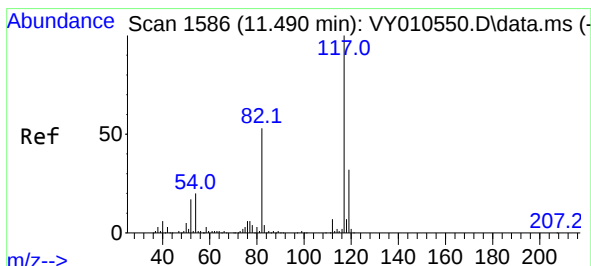
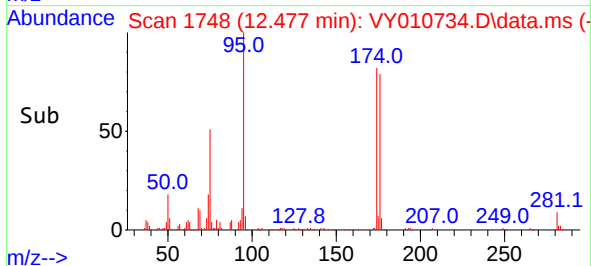
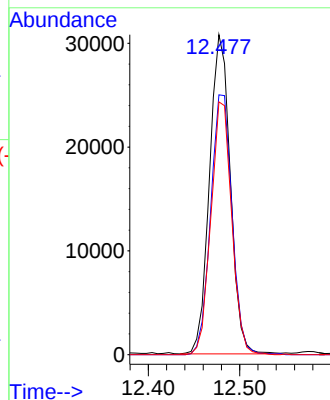
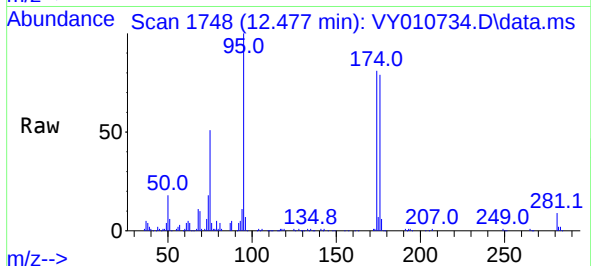




#62
4-Bromofluorobenzene
Concen: 46.827 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

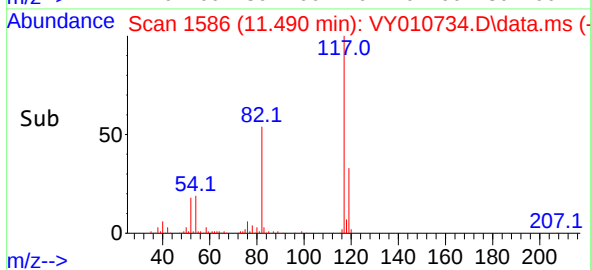
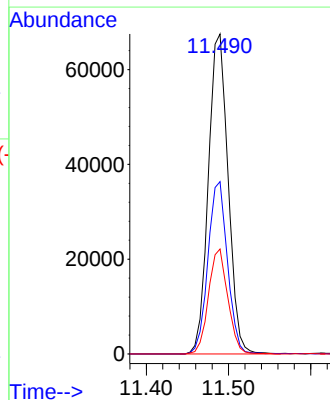
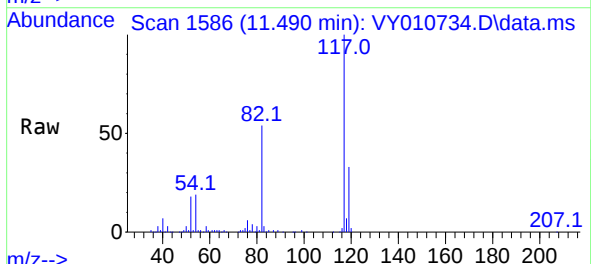
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

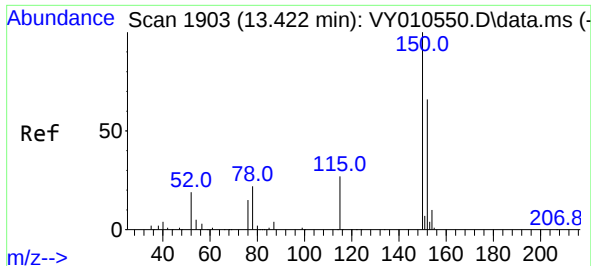
Tgt Ion: 95 Resp: 48558
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 79.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion: 117 Resp: 112582
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 32.8 25.4 38.0

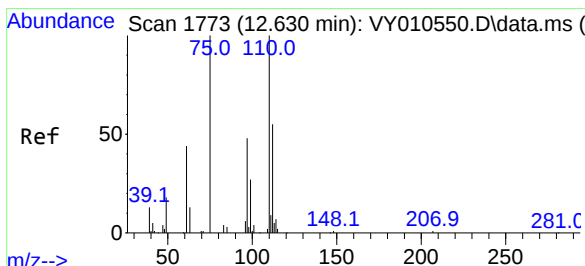
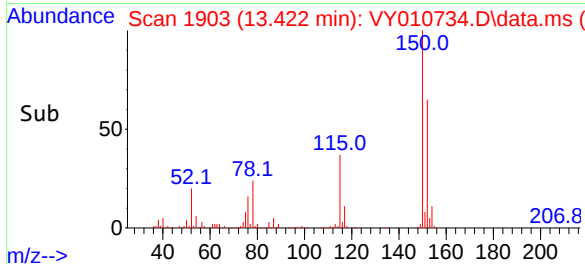
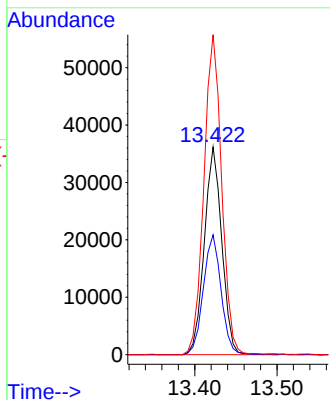
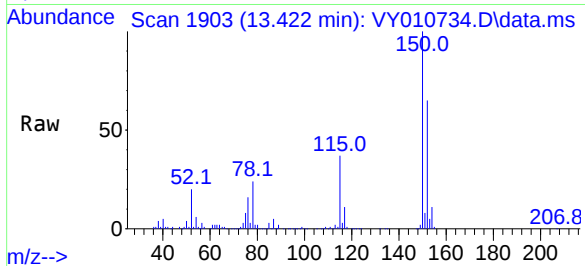




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010734.D
 Acq: 29 Sep 2022 16:22

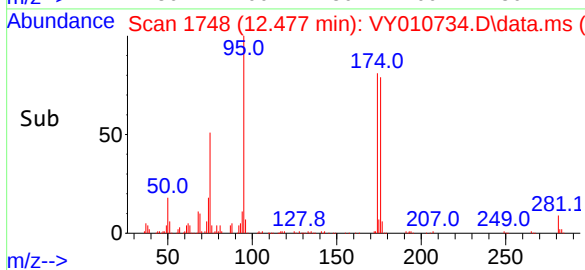
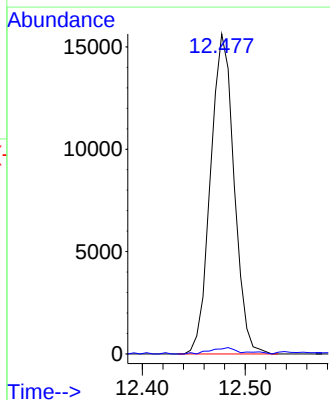
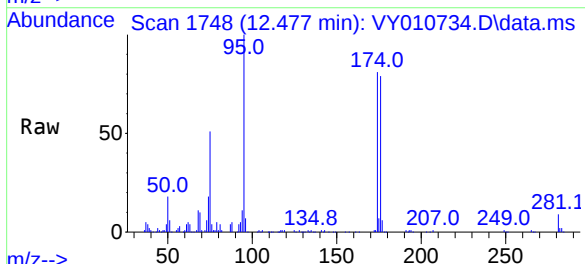
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-092722

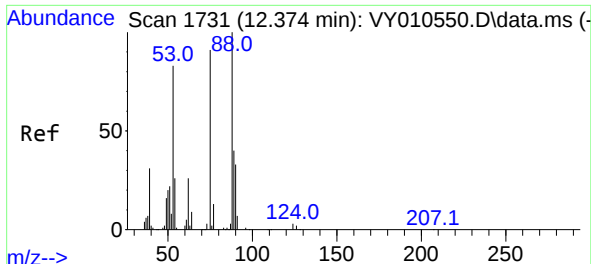
Tgt Ion:152 Resp: 53458
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.2 84.7
 150 156.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.753 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010734.D
 Acq: 29 Sep 2022 16:22

Tgt Ion: 75 Resp: 24875
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#

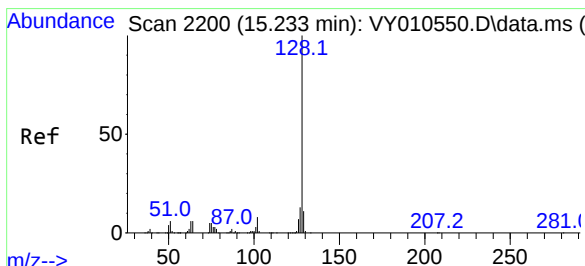
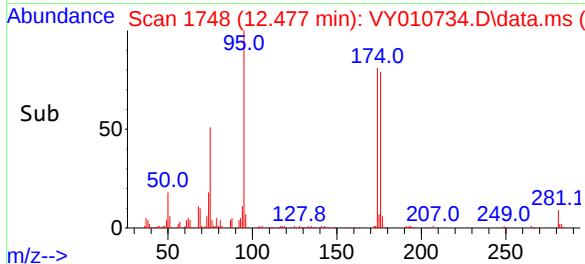
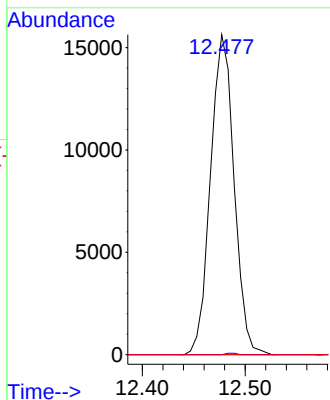
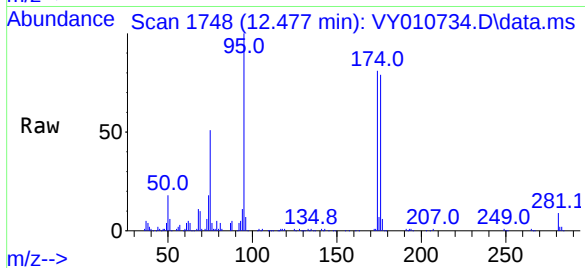




#81
trans-1,4-Dichloro-2-butene
Concen: 108.400 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-092722

Tgt Ion: 75 Resp: 24875
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.488 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010734.D
Acq: 29 Sep 2022 16:22

Tgt Ion:128 Resp: 7841
Ion Ratio Lower Upper
128 100
127 12.1 11.0 16.4
129 11.4 8.4 12.6

