

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011179.D
 Acq On : 29 Oct 2022 01:14
 Operator : KP/MD
 Sample : N5327-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LACY-03

Quant Time: Oct 29 01:41:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

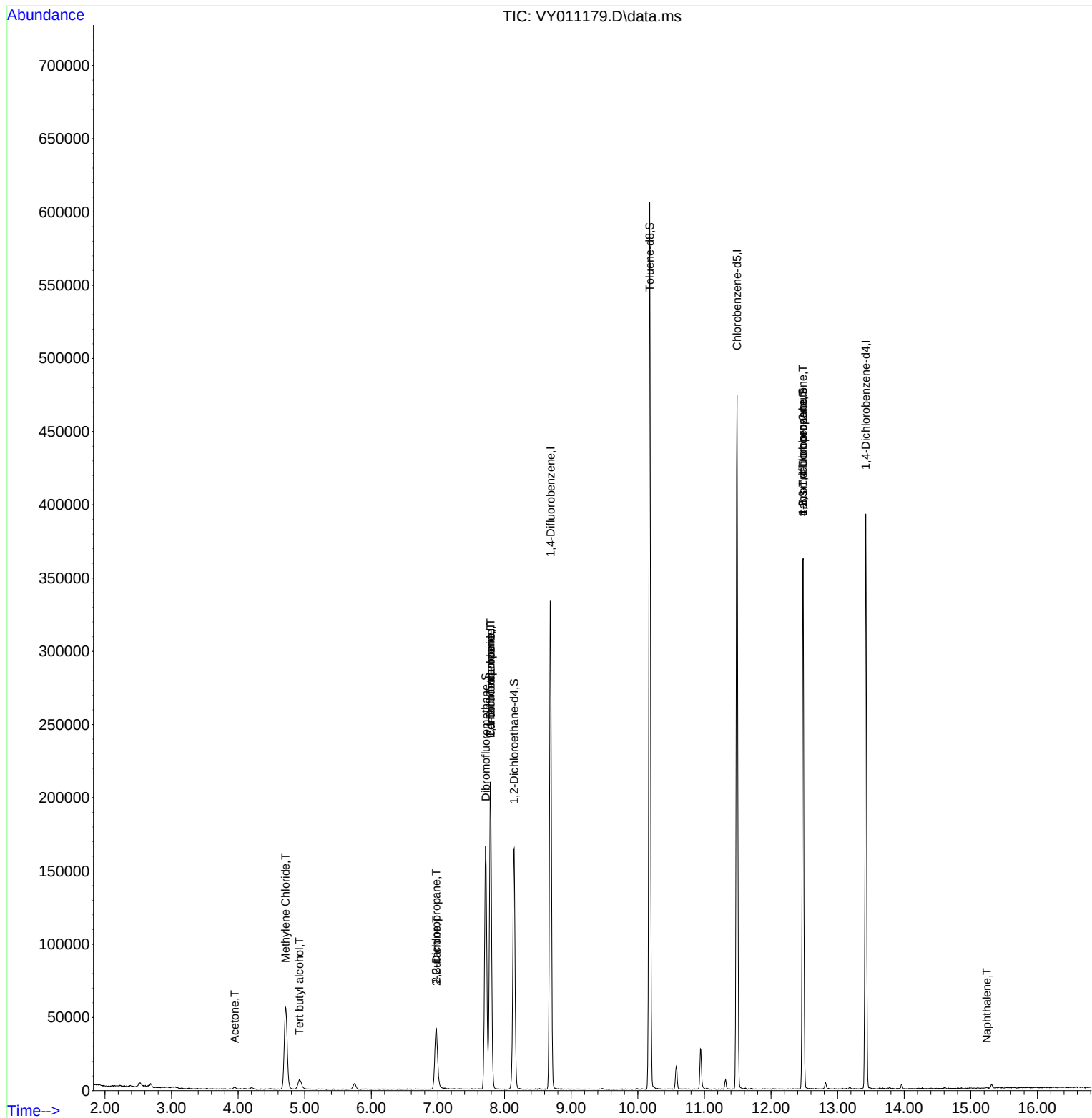
Internal Standards						
1) Pentafluorobenzene	7.789	168	162527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	298375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	263583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129151	76.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.700%	
35) Dibromofluoromethane	7.716	113	120387	65.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.220%	
50) Toluene-d8	10.179	98	394175	54.225	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.440%	
62) 4-Bromofluorobenzene	12.477	95	113518	47.726	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	206	Below Cal	#	44
4) Vinyl Chloride	2.253	62	20	Below Cal	#	43
5) Bromomethane	2.662	94	331	Below Cal	#	58
11) Tert butyl alcohol	4.918	59	6664	37.344	ug/l #	77
16) Acetone	3.948	43	1999	4.862	ug/l #	89
17) Carbon Disulfide	4.198	76	23	Below Cal	#	75
18) Methyl Acetate	4.479	43	619	Below Cal	#	73
20) Methylene Chloride	4.710	84	45206	22.987	ug/l #	79
25) 2-Butanone	6.978	43	2431	4.124	ug/l #	91
26) 2,2-Dichloropropane	6.972	77	3243	1.260	ug/l #	55
31) Cyclohexane	7.789	56	3170	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	12598	5.266	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16184	6.211	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	56826	53.465	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56826	113.542	ug/l #	7
95) Naphthalene	15.239	128	317	4.433	ug/l #	69

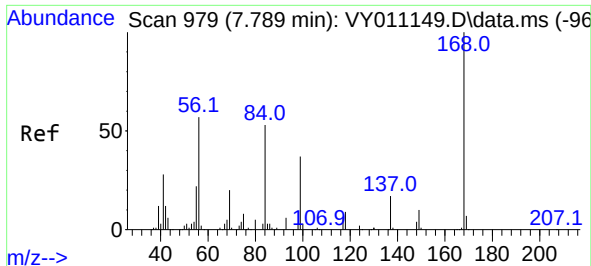
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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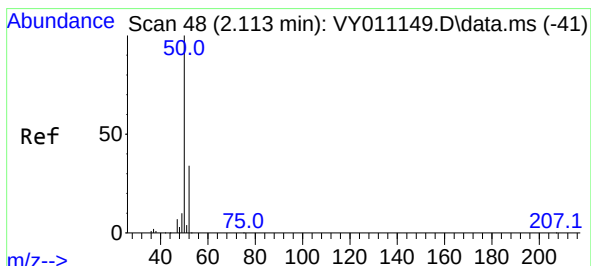
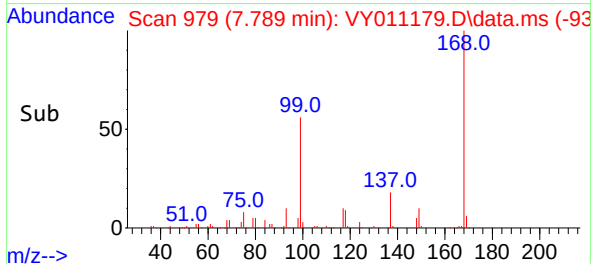
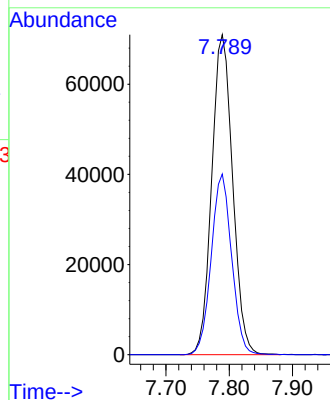
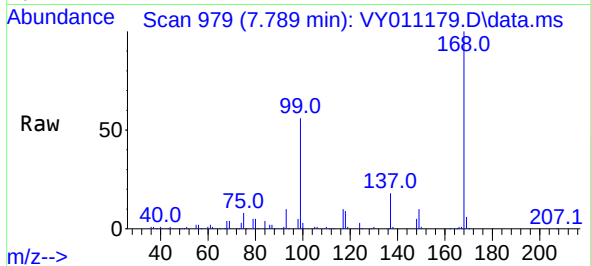




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

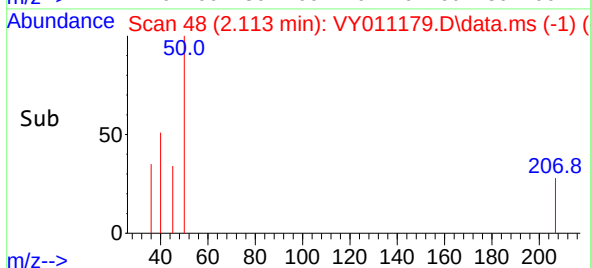
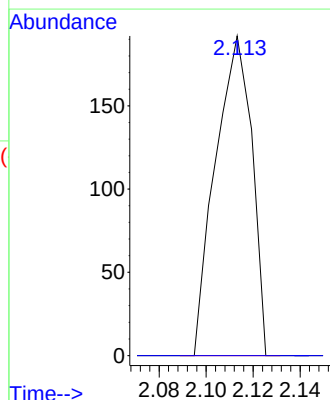
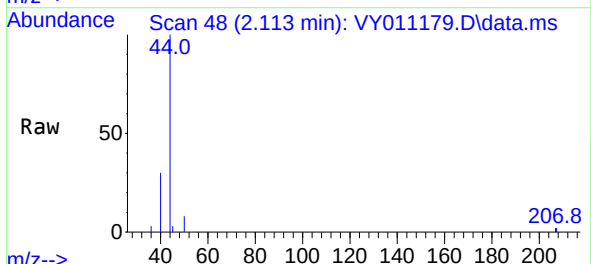
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

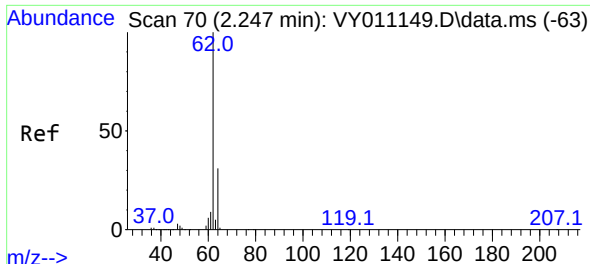
Tgt Ion:168 Resp: 162527
Ion Ratio Lower Upper
168 100
99 56.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

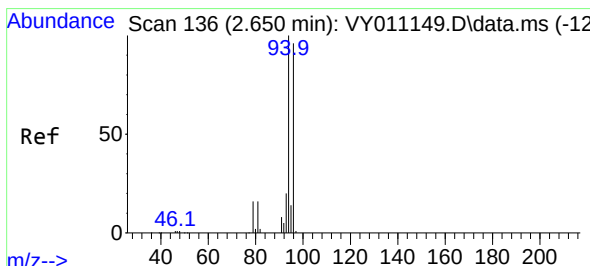
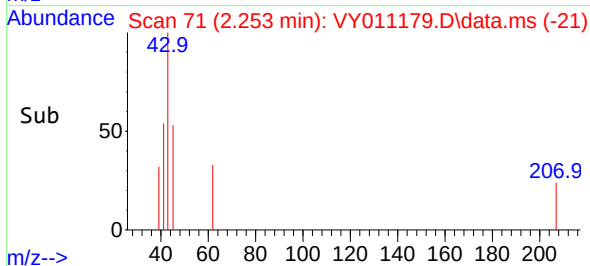
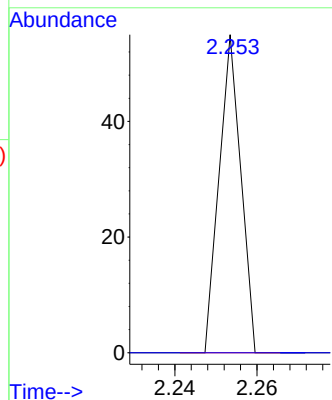
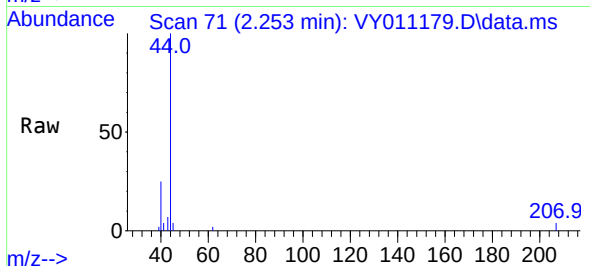




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.253 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VY011179.D
 Acq: 29 Oct 2022 01:14

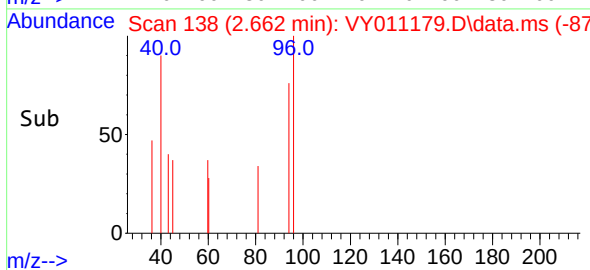
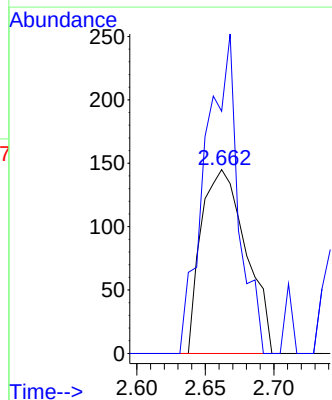
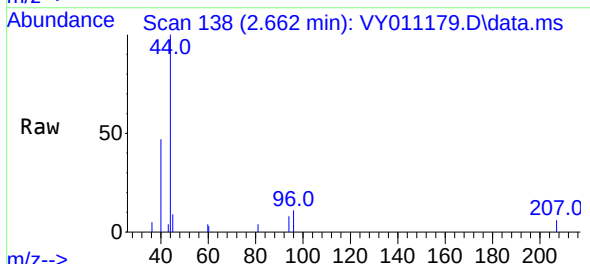
Instrument :
 MSVOA_Y
 ClientSampleId :
 LACY-03

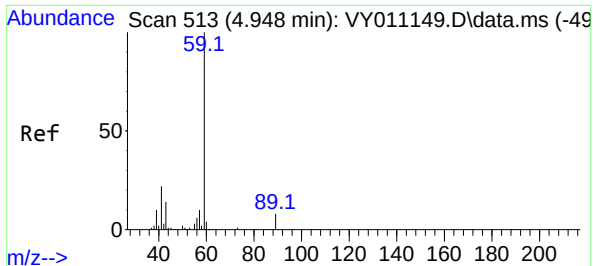
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011179.D
 Acq: 29 Oct 2022 01:14

Tgt Ion: 94 Resp: 331
 Ion Ratio Lower Upper
 94 100
 96 131.7 73.5 110.3#





#11

Tert butyl alcohol

Concen: 37.344 ug/l

RT: 4.918 min Scan# 508

Delta R.T. -0.030 min

Lab File: VY011179.D

Acq: 29 Oct 2022 01:14

Instrument :

MSVOA_Y

ClientSampleId :

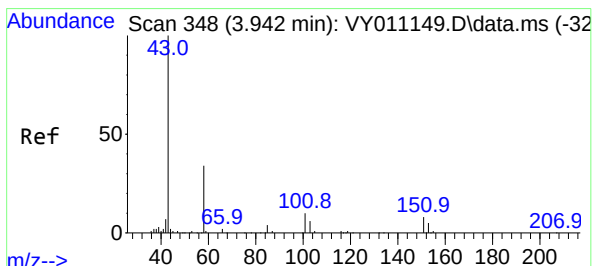
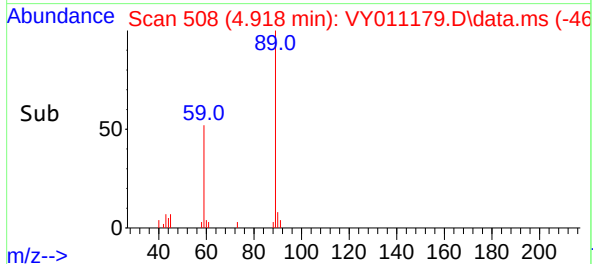
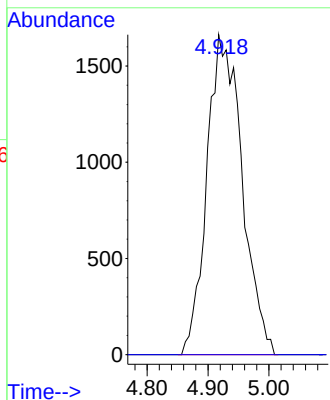
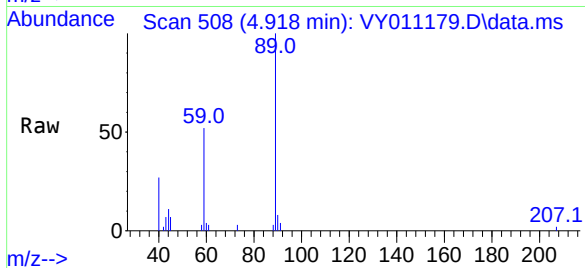
LACY-03

Tgt Ion: 59 Resp: 6664

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 4.862 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011179.D

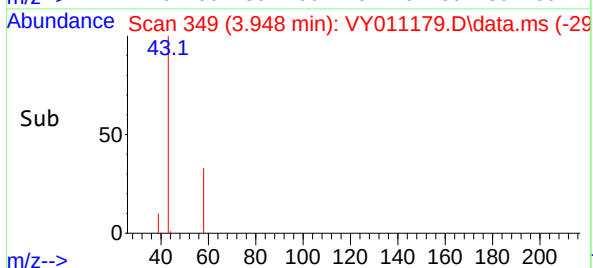
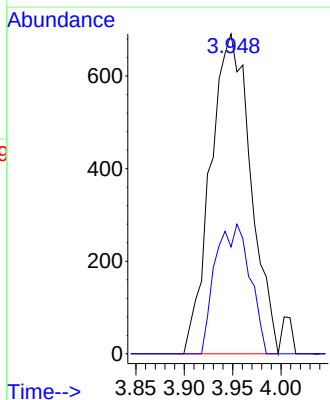
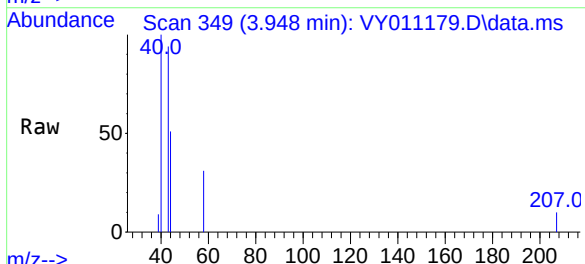
Acq: 29 Oct 2022 01:14

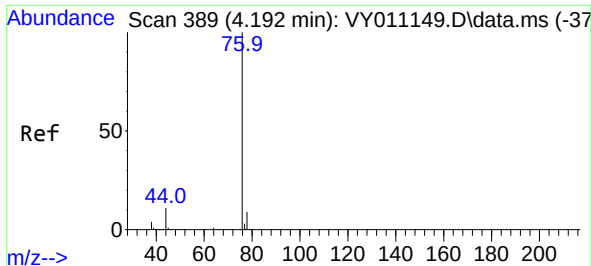
Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

43 100

58 33.4 22.0 33.0#

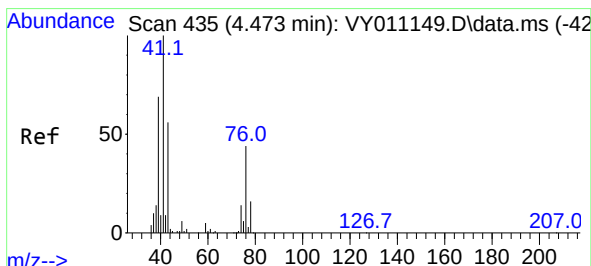
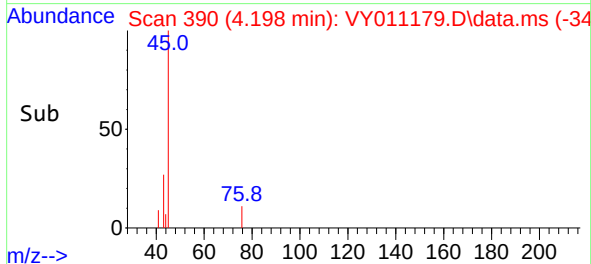
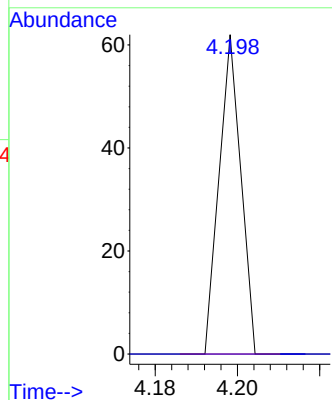
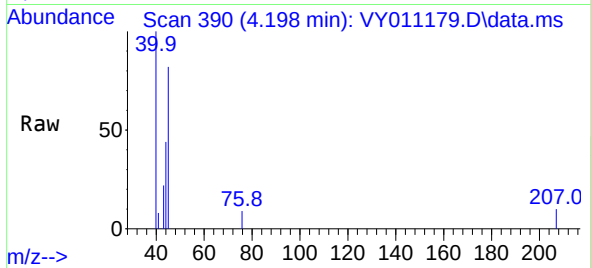




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

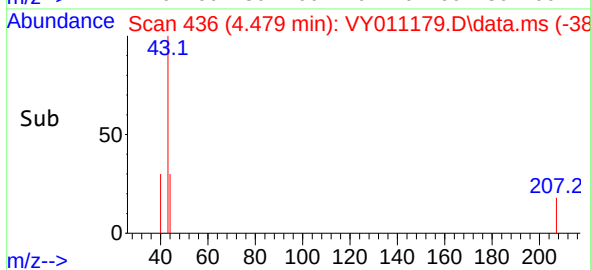
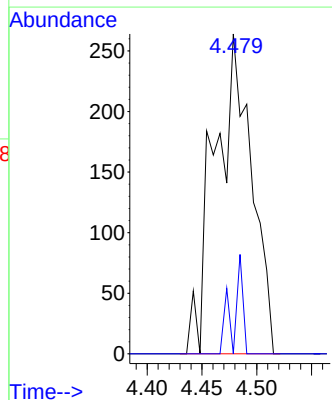
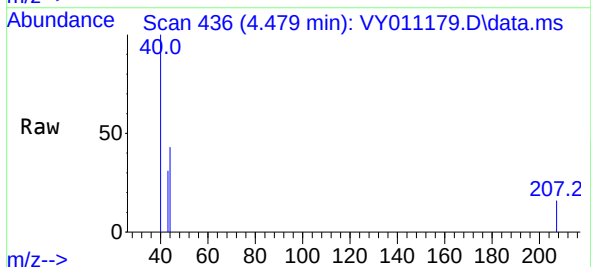
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

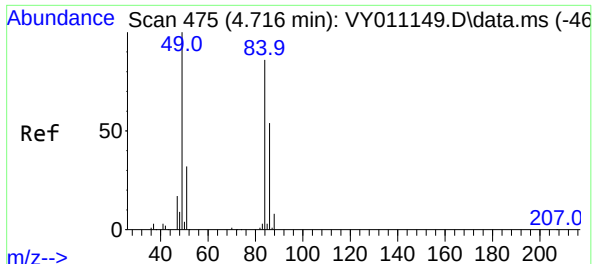
Tgt Ion: 76 Resp: 23
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
74 8.1 16.6 24.8#

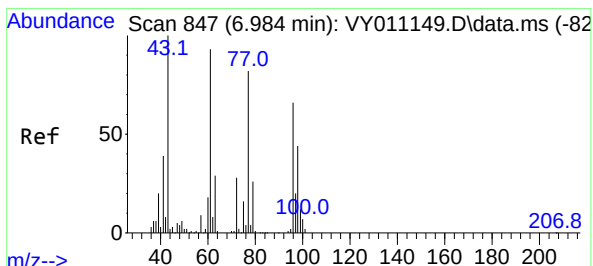
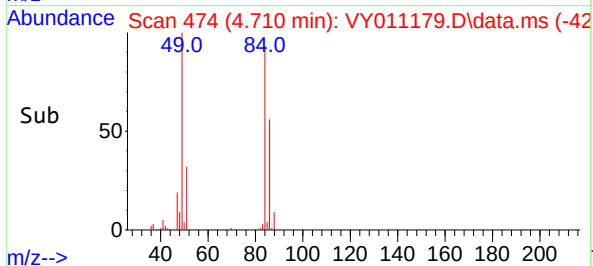
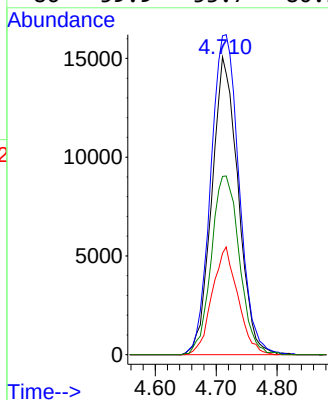
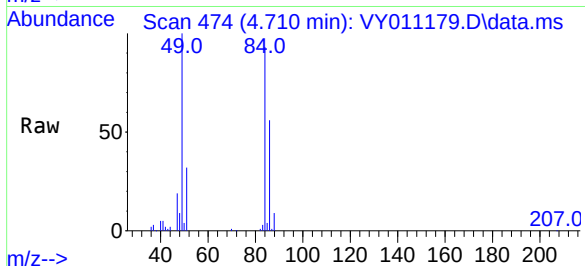




#20
Methylene Chloride
Concen: 22.987 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

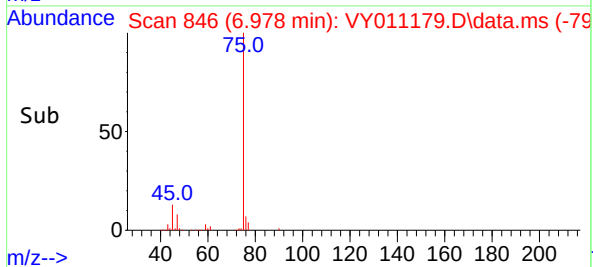
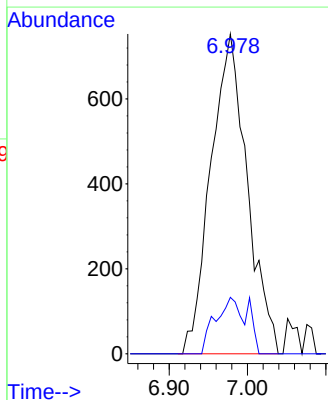
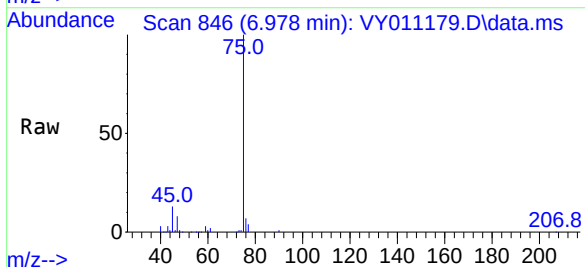
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

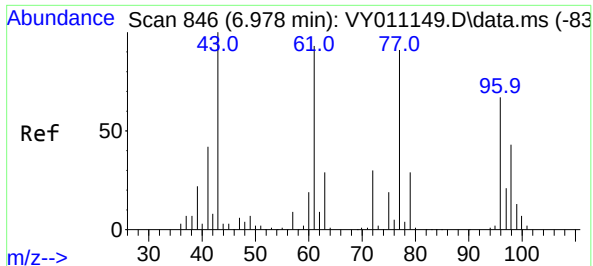
Tgt Ion: 84 Resp: 45206
Ion Ratio Lower Upper
84 100
49 107.0 114.4 171.6#
51 34.1 35.3 52.9#
86 59.9 53.7 80.5



#25
2-Butanone
Concen: 4.124 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
72 17.7 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.260 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011179.D

Acq: 29 Oct 2022 01:14

Instrument :

MSVOA_Y

ClientSampleId :

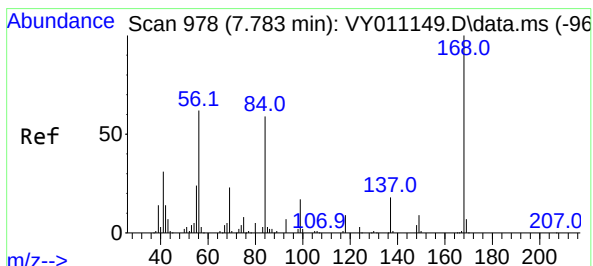
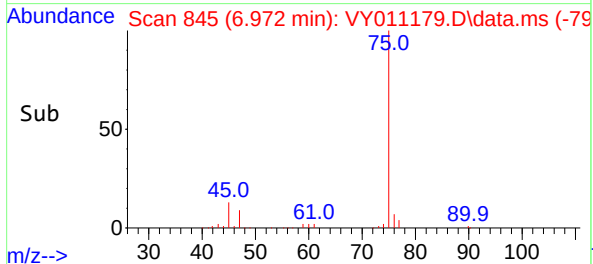
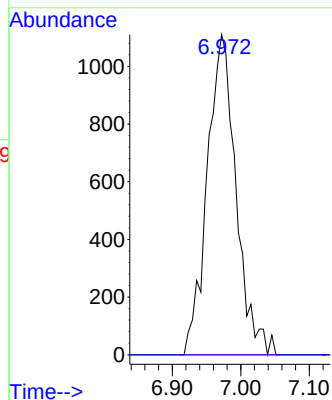
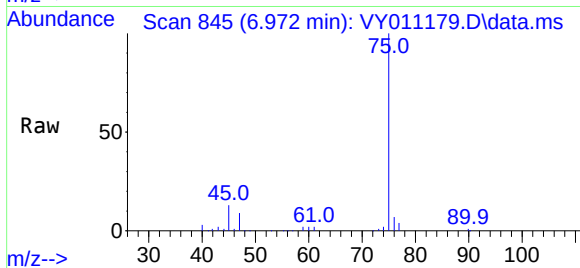
LACY-03

Tgt Ion: 77 Resp: 3243

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011179.D

Acq: 29 Oct 2022 01:14

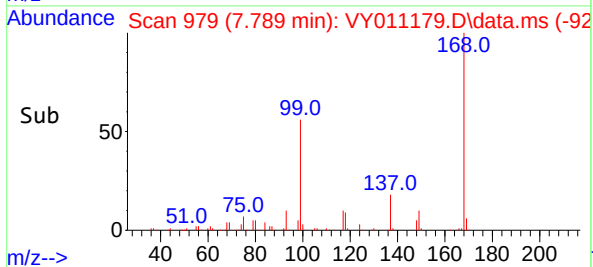
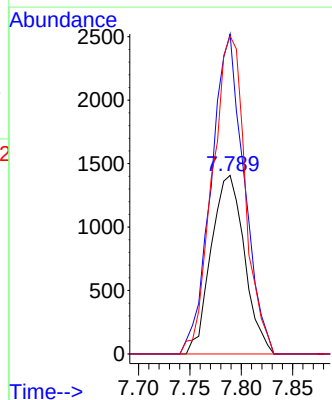
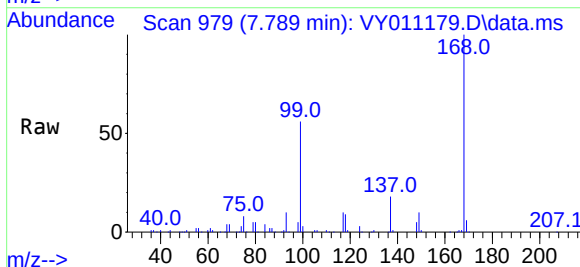
Tgt Ion: 56 Resp: 3170

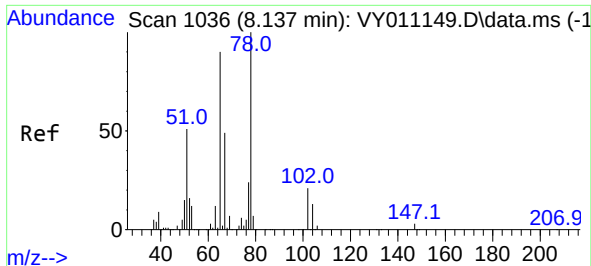
Ion Ratio Lower Upper

56 100

69 179.2 26.7 40.1#

84 178.1 67.2 100.8#

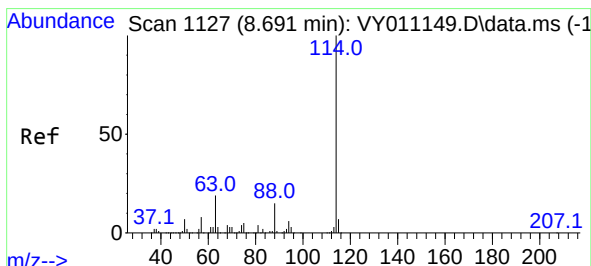
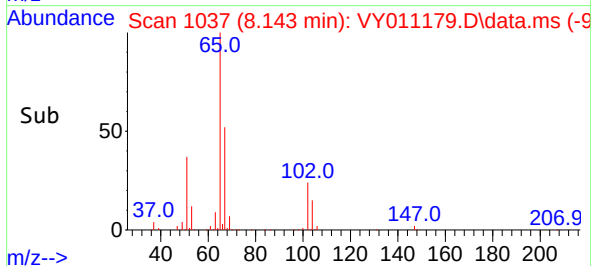
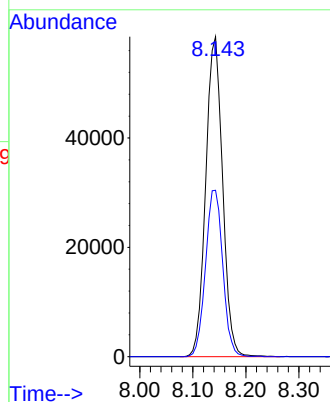
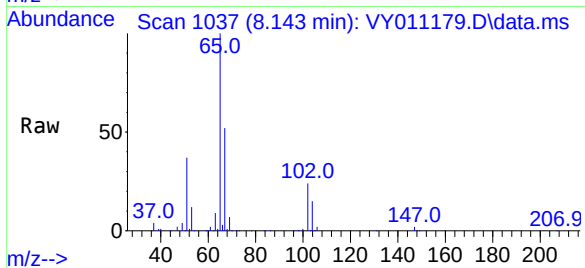




#33
1,2-Dichloroethane-d4
Concen: 76.850 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

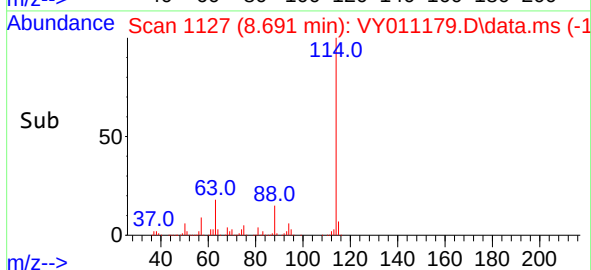
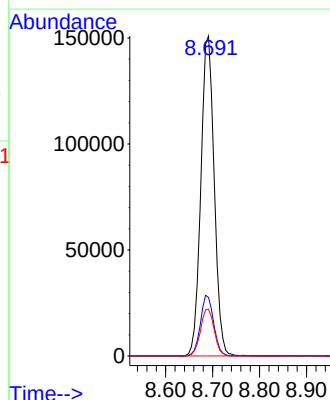
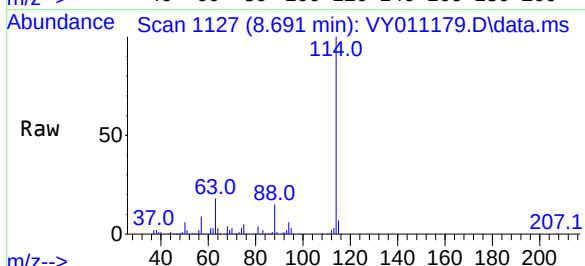
Instrument :
MSVOA_Y
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LACY-03

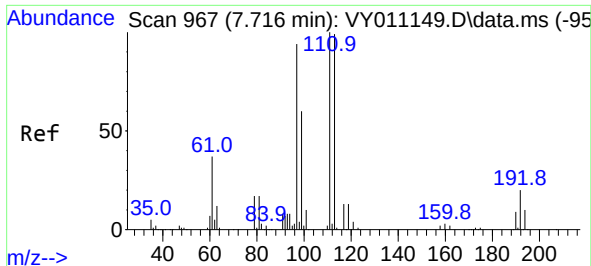
Tgt Ion: 65 Resp: 129151
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 114 Resp: 298375
Ion Ratio Lower Upper
114 100
63 18.3 0.0 43.2
88 14.6 0.0 31.8

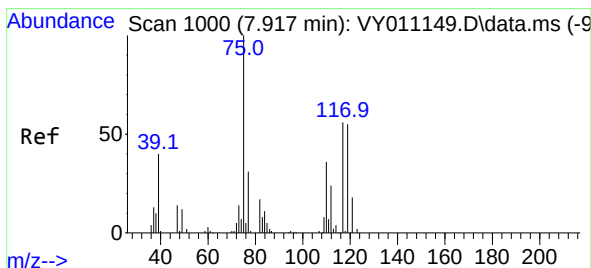
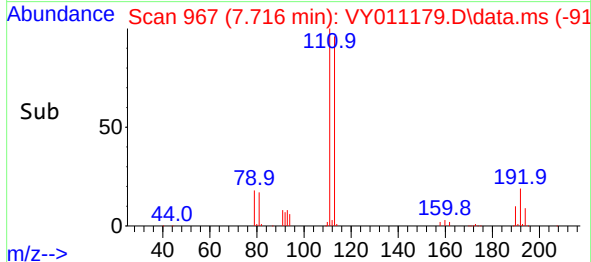
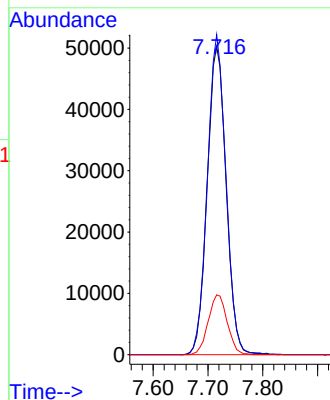
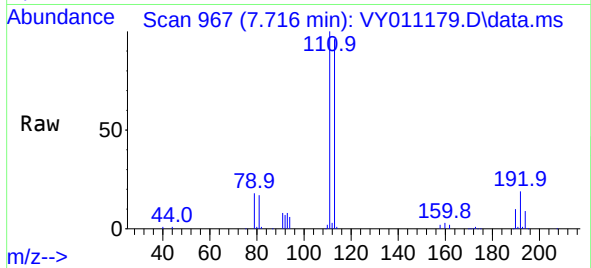




#35
Dibromofluoromethane
Concen: 65.610 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

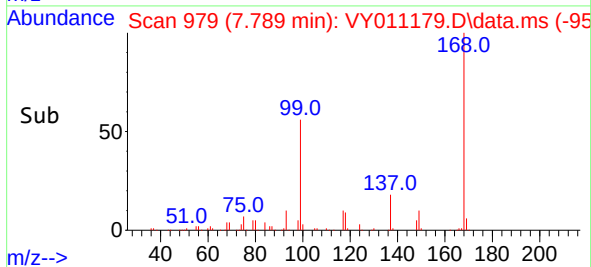
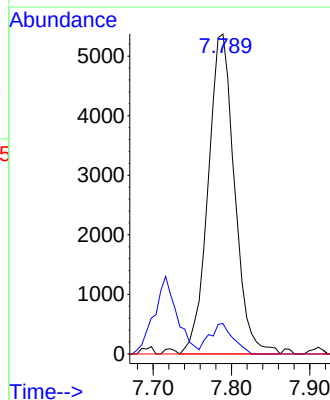
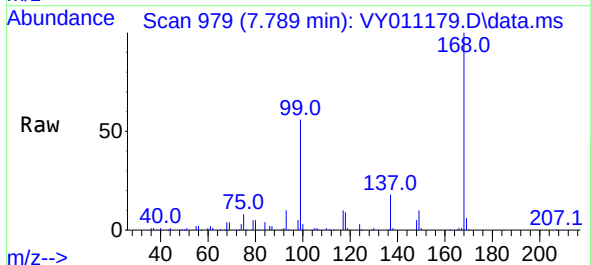
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

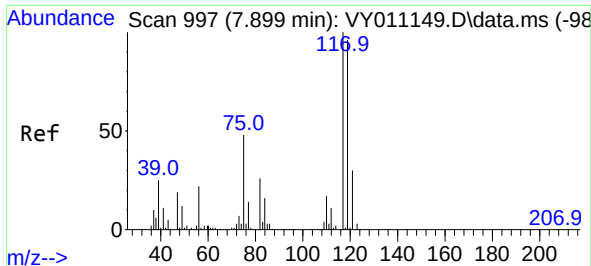
Tgt Ion:113 Resp: 120387
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 75 Resp: 12598
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

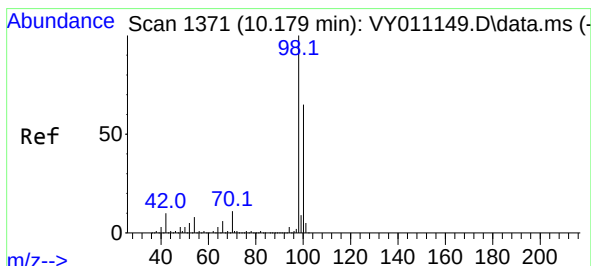
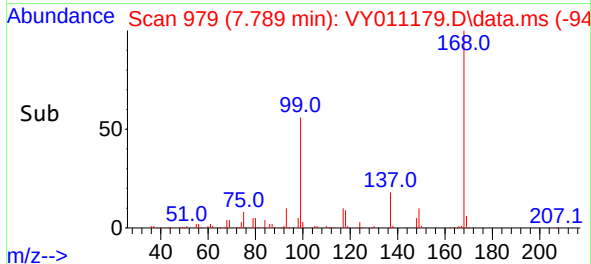
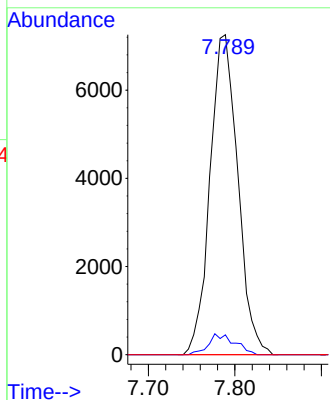
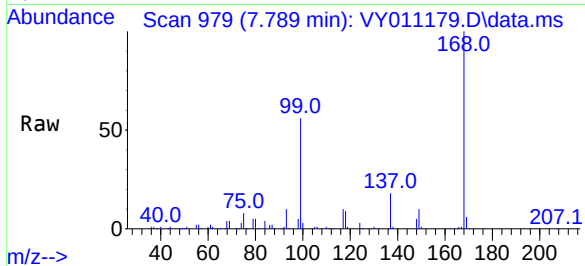




#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

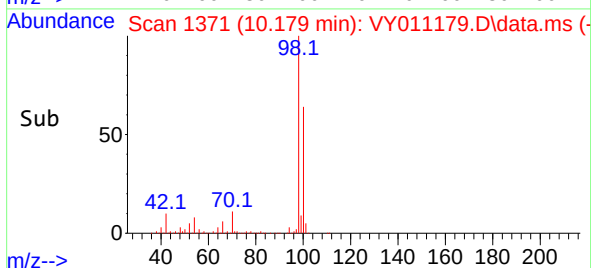
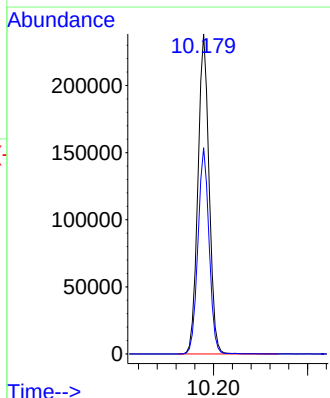
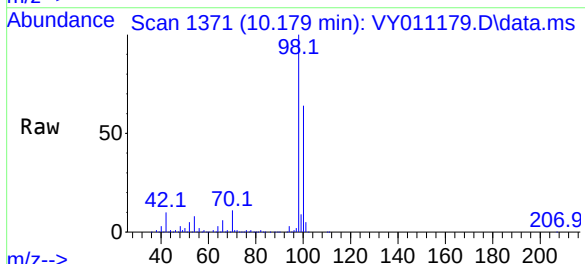
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

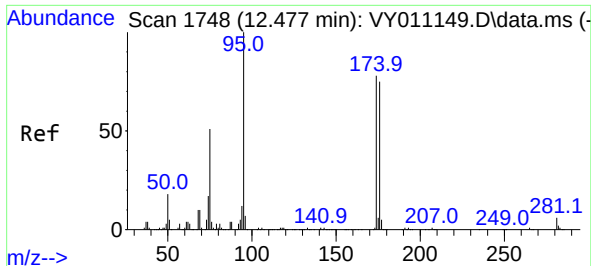
Tgt Ion:117 Resp: 16184
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.225 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 98 Resp: 394175
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

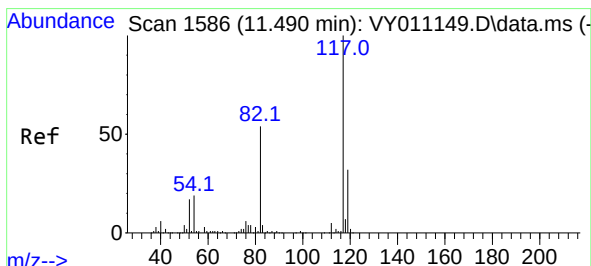
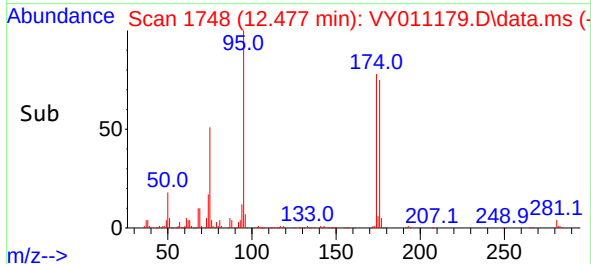
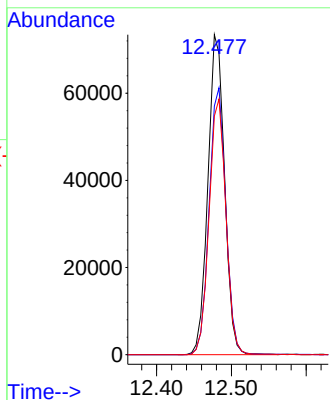
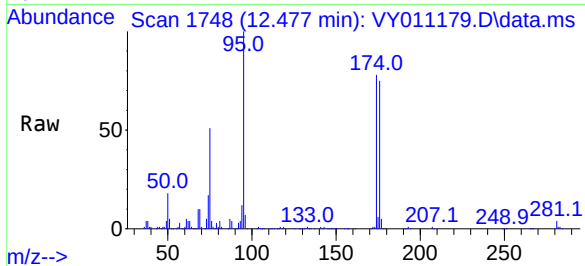




#62
4-Bromofluorobenzene
Concen: 47.726 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

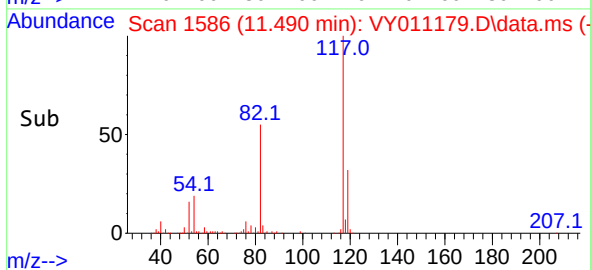
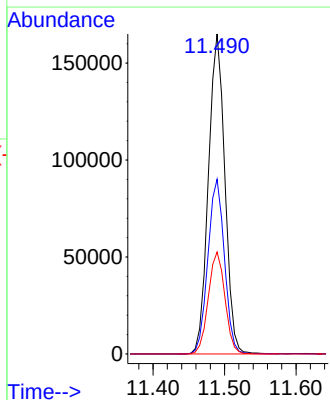
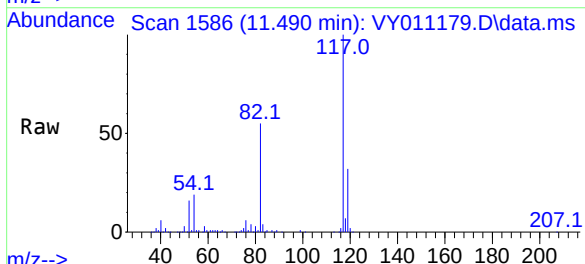
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

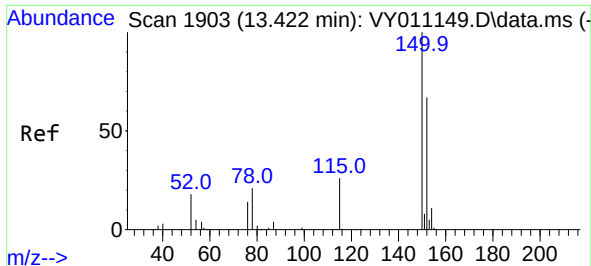
Tgt Ion: 95 Resp: 113518
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion:117 Resp: 263583
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.8 25.4 38.0

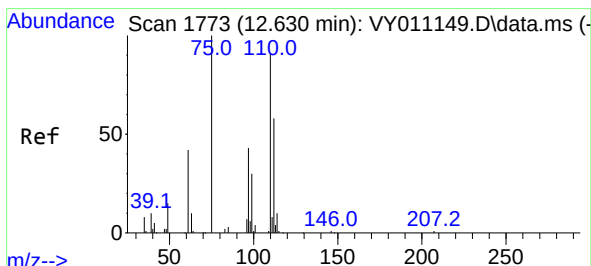
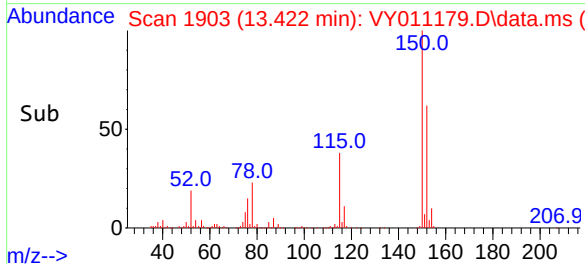
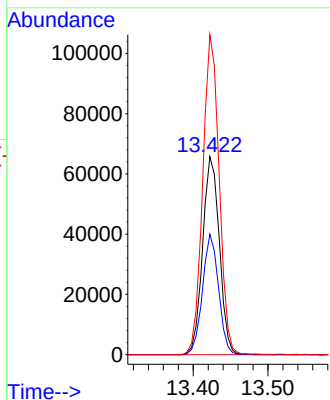
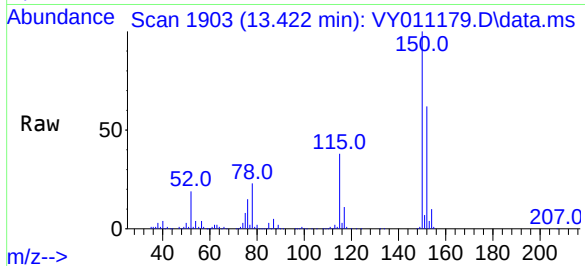




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

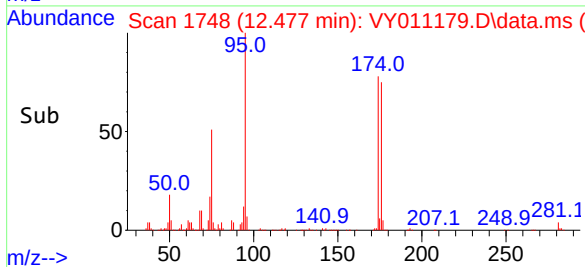
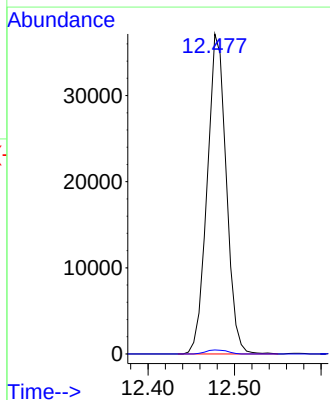
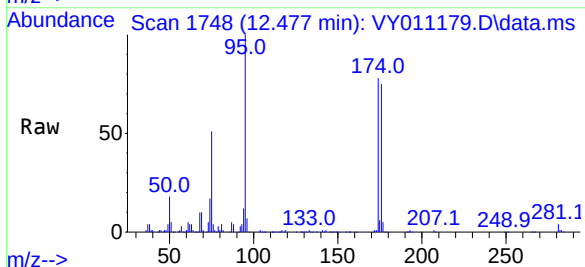
Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

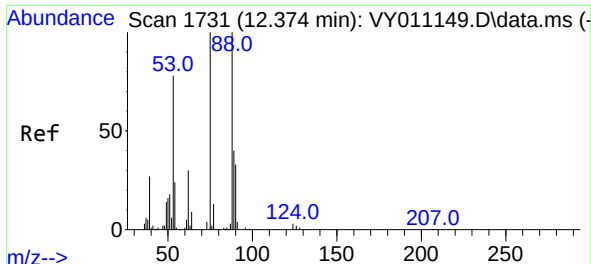
Tgt Ion:152 Resp: 102231
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 53.465 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 75 Resp: 56826
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

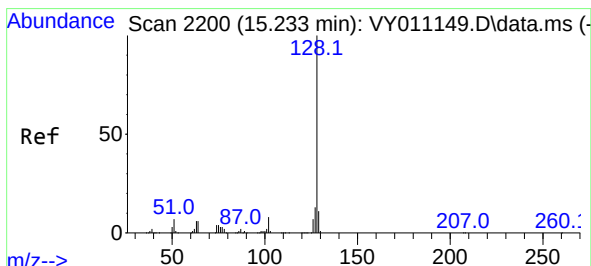
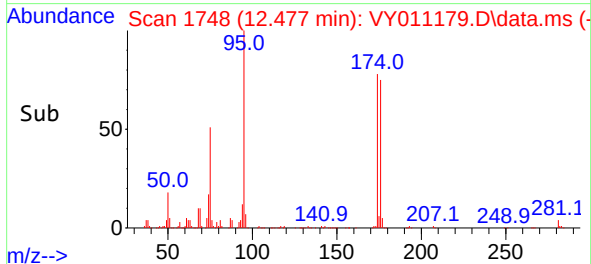
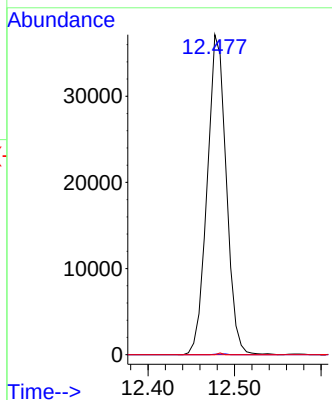
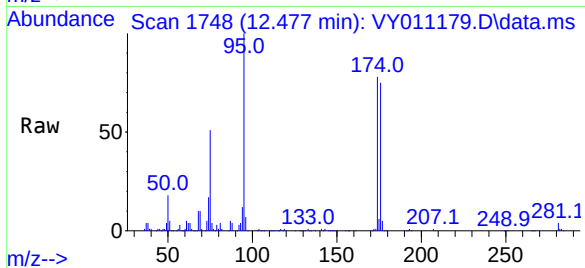




#81
trans-1,4-Dichloro-2-butene
Concen: 113.542 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Instrument :
MSVOA_Y
ClientSampleId :
LACY-03

Tgt Ion: 75 Resp: 56826
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.433 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011179.D
Acq: 29 Oct 2022 01:14

Tgt Ion: 128 Resp: 317
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

