

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062922\
 Data File : VY009373.D
 Acq On : 29 Jun 2022 14:58
 Operator : KP/MD
 Sample : N3499-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUR-1206

Quant Time: Jun 29 17:44:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

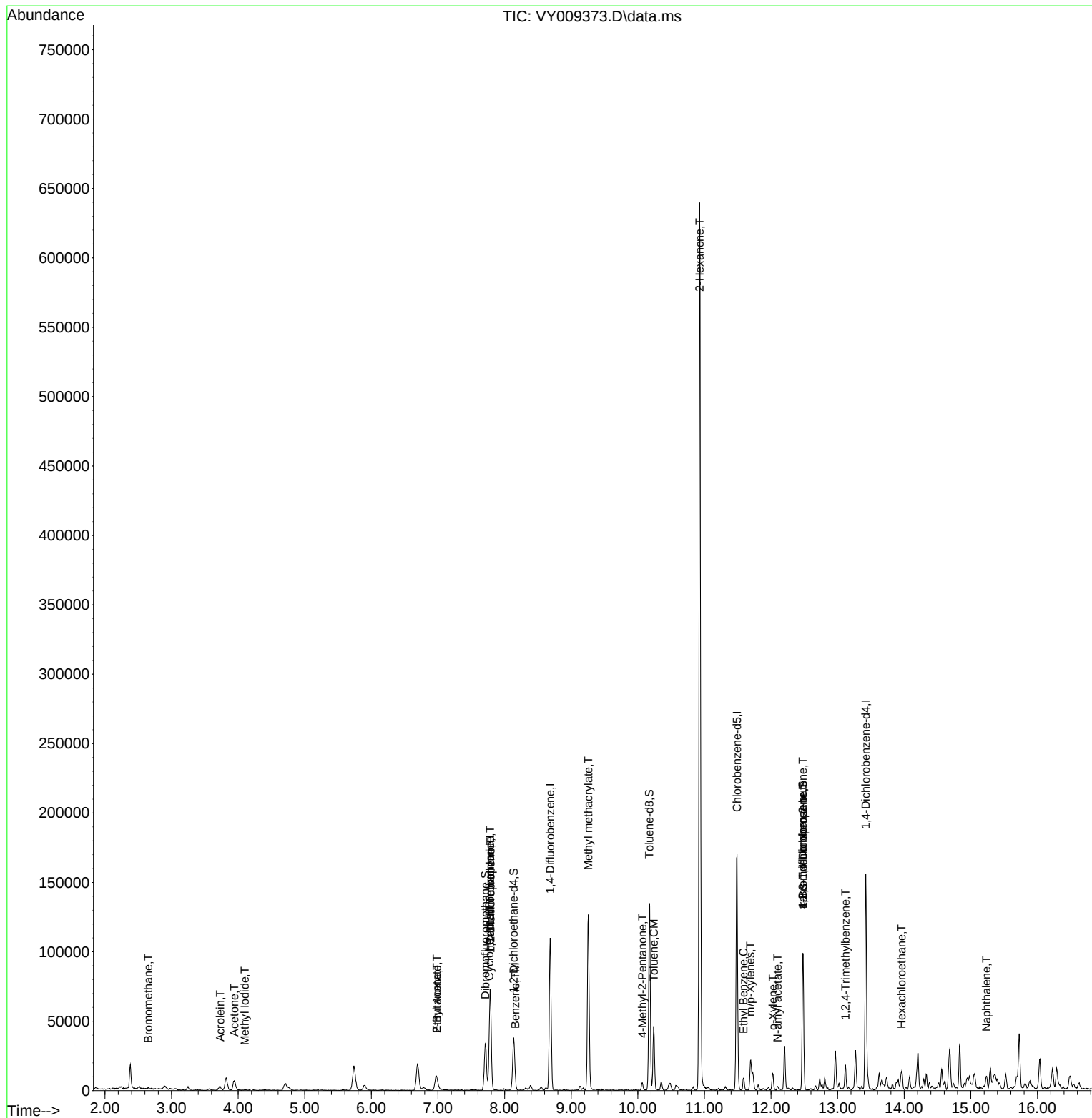
Internal Standards						
1) Pentafluorobenzene	7.783	168	55308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	90603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	88580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	38037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27468	62.005	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.710	113	23935	47.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.000%	
50) Toluene-d8	10.173	98	85302	55.794	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.580%	
62) 4-Bromofluorobenzene	12.477	95	27856	38.417	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.840%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	386	1.050	ug/l #	63
10) Methyl Iodide	4.101	142	624	1.043	ug/l #	52
11) Tert butyl alcohol	4.911	59	448	Below Cal	#	77
13) Acrolein	3.729	56	3146	85.089	ug/l	99
16) Acetone	3.942	43	12599	86.598	ug/l	90
18) Methyl Acetate	4.460	43	109	Below Cal	#	56
20) Methylene Chloride	4.698	84	2956	Below Cal	#	91
25) 2-Butanone	6.984	43	4770	20.680	ug/l #	86
31) Cyclohexane	7.771	56	1695	1.701	ug/l #	75
36) 1,1-Dichloropropene	7.789	75	4126	4.732	ug/l #	50
37) Ethyl Acetate	6.984	43	4770	9.225	ug/l #	81
38) Carbon Tetrachloride	7.783	117	4943	5.424	ug/l #	16
40) Benzene	8.161	78	2996	1.175	ug/l	96
48) Methyl methacrylate	9.258	41	31452	76.853	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	3656	7.469	ug/l	100
52) Toluene	10.240	92	17964	11.167	ug/l	98
59) 2-Hexanone	10.929	43	96969	286.792	ug/l #	53
67) Ethyl Benzene	11.587	91	5529	1.682	ug/l	97
68) m/p-Xylenes	11.691	106	6655	5.062	ug/l	89
69) o-Xylene	12.032	106	3235	2.607	ug/l	82
74) N-amyl acetate	12.099	43	1904	2.584	ug/l #	55
76) 1,2,3-Trichloropropane	12.477	75	14693	32.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14693	73.441	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	8714	3.903	ug/l	98
90) Hexachloroethane	13.959	117	515	1.039	ug/l #	6
95) Naphthalene	15.233	128	7120	4.992	ug/l #	96

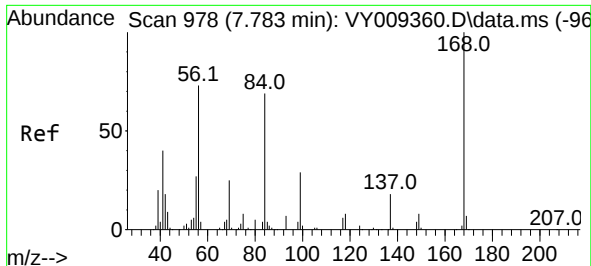
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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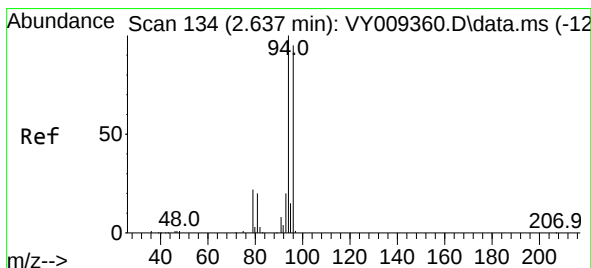
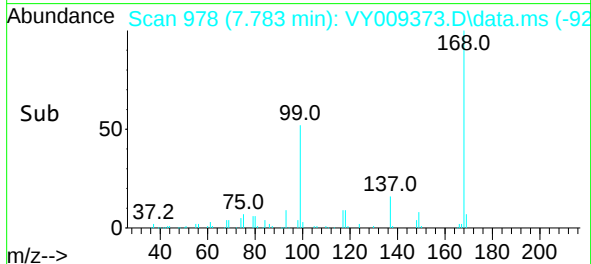
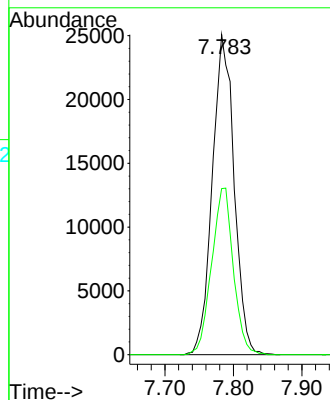
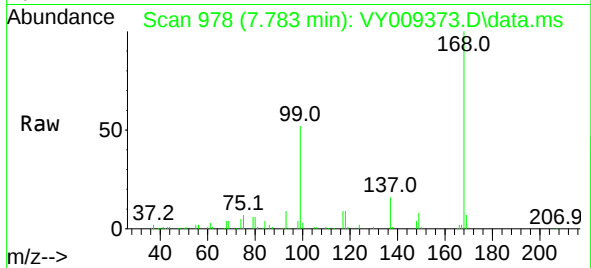




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

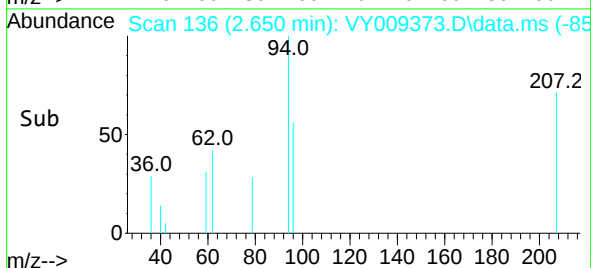
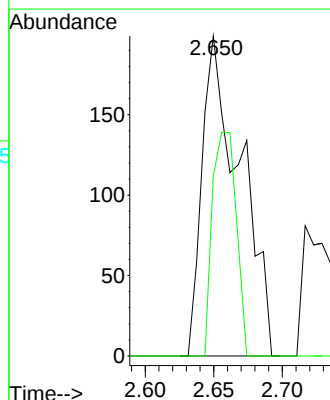
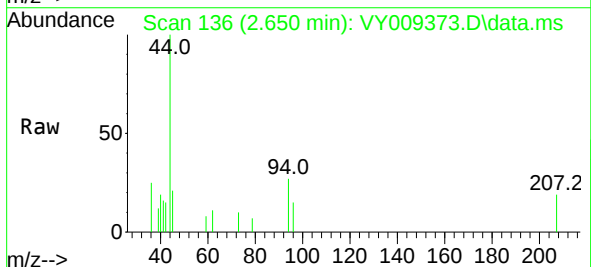
Instrument :
MSVOA_Y
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BUR-1206

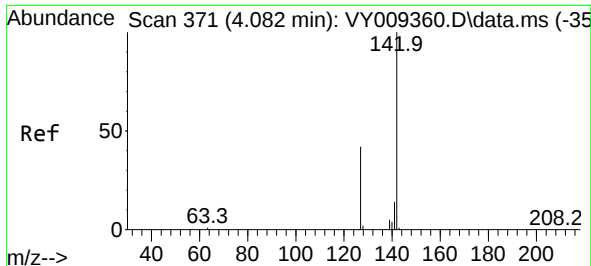
Tgt Ion:168 Resp: 55308
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#5
Bromomethane
Concen: 1.050 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 56.3 73.5 110.3#





#10

Methyl Iodide

Concen: 1.043 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.019 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

BUR-1206

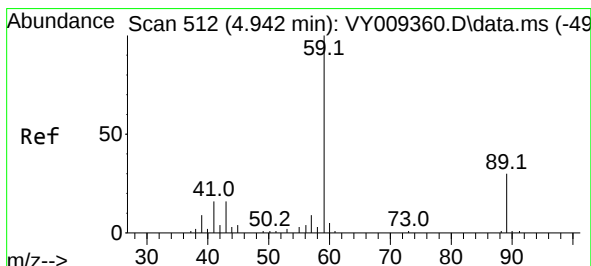
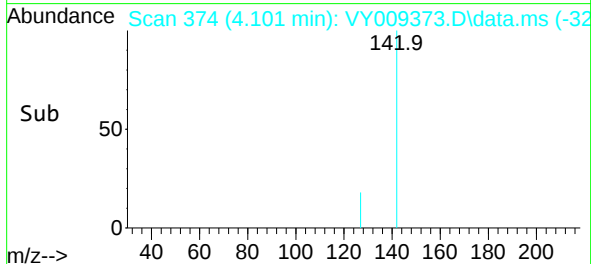
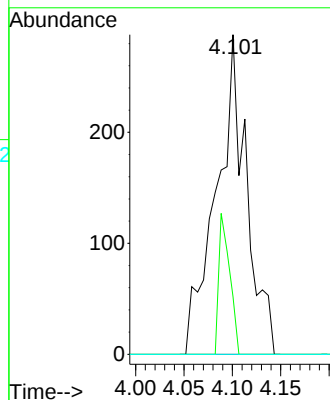
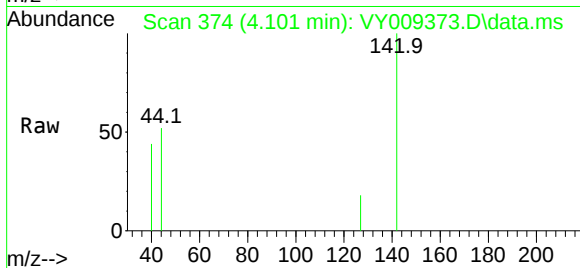
Tgt Ion:142 Resp: 624

Ion Ratio Lower Upper

142 100

127 16.0 41.5 62.3#

141 0.0 11.9 17.9#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 507

Delta R.T. -0.031 min

Lab File: VY009373.D

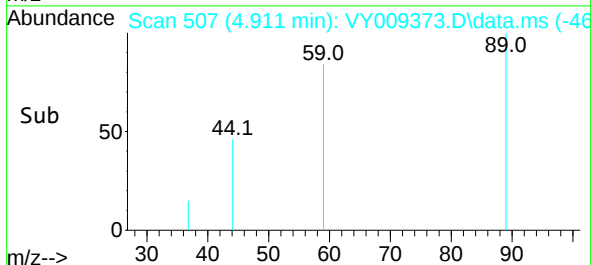
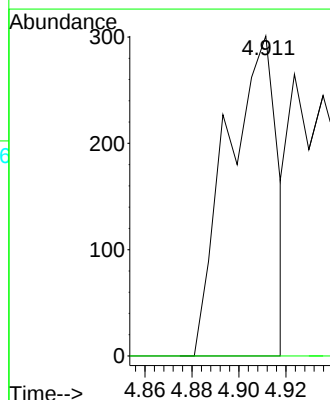
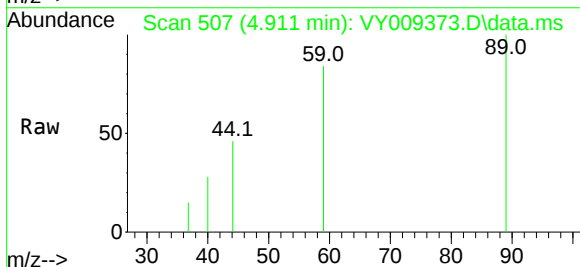
Acq: 29 Jun 2022 14:58

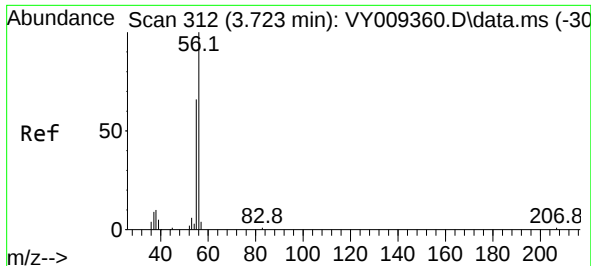
Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

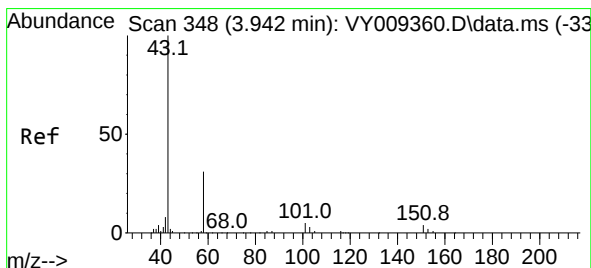
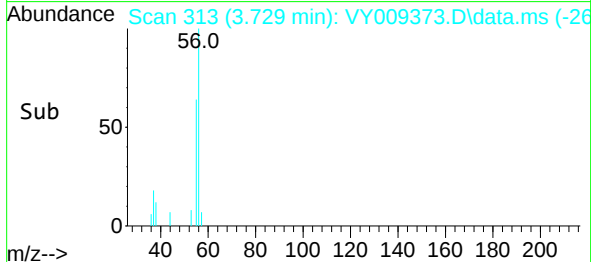
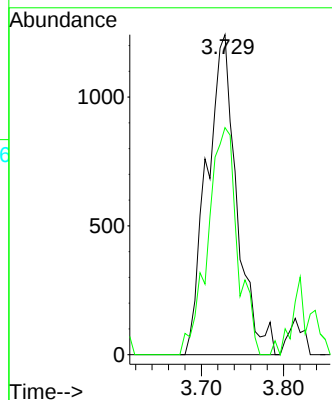
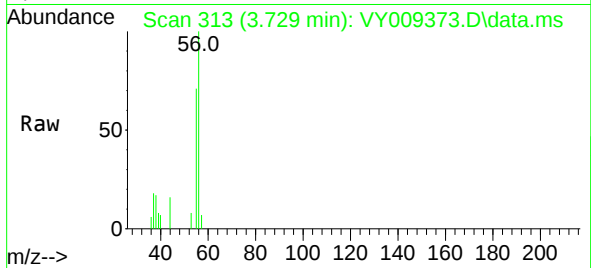




#13
Acrolein
Concen: 85.089 ug/l
RT: 3.729 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

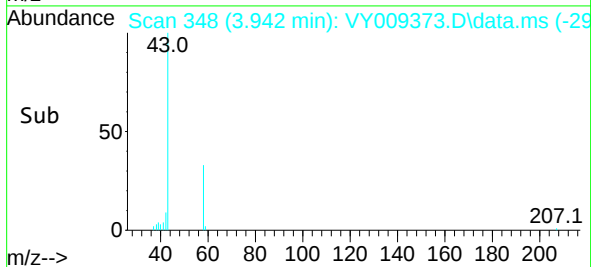
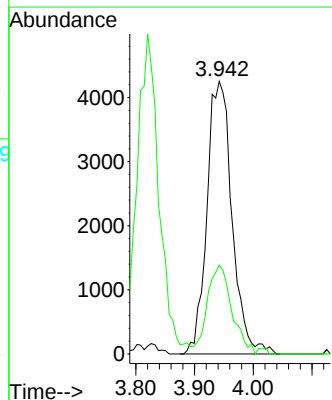
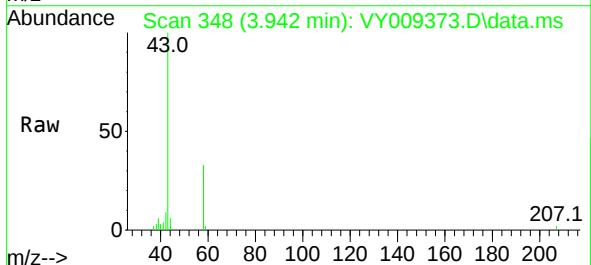
Instrument :
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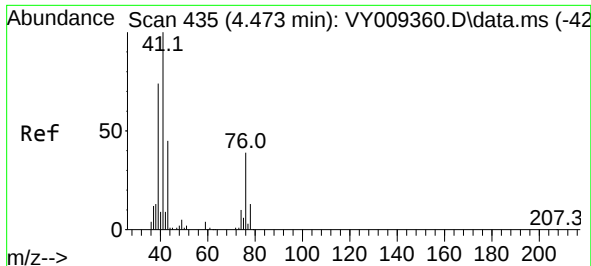
Tgt Ion: 56 Resp: 3146
Ion Ratio Lower Upper
56 100
55 70.8 57.6 86.4



#16
Acetone
Concen: 86.598 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 43 Resp: 12599
Ion Ratio Lower Upper
43 100
58 32.5 22.0 33.0

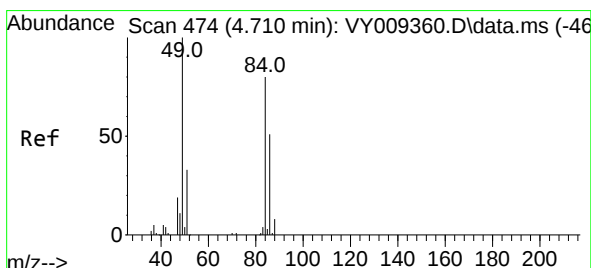
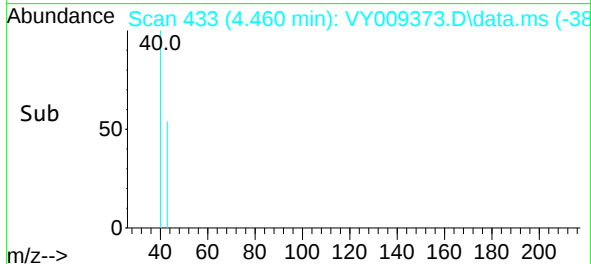
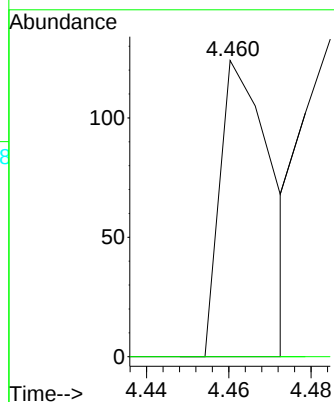
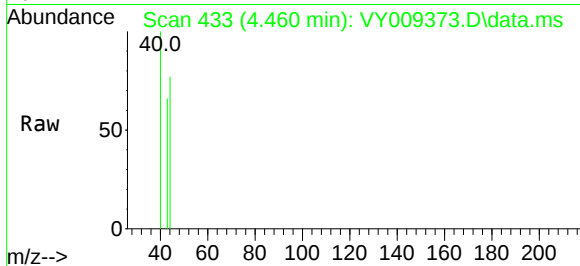




#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

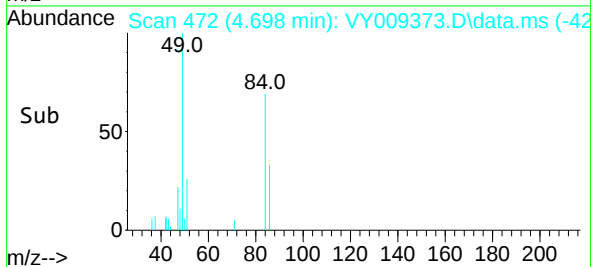
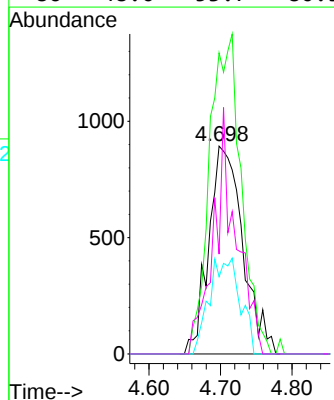
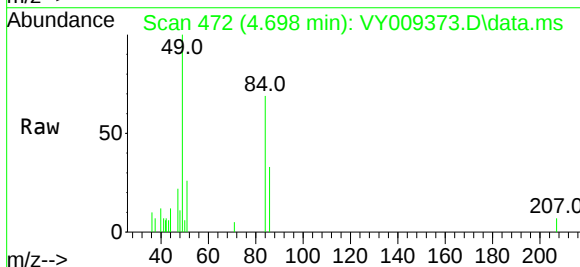
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

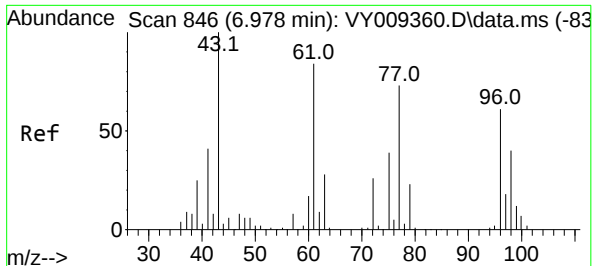
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 84 Resp: 2956
Ion Ratio Lower Upper
84 100
49 144.9 114.4 171.6
51 37.2 35.3 52.9
86 48.0 53.7 80.5#





#25

2-Butanone

Concen: 20.680 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

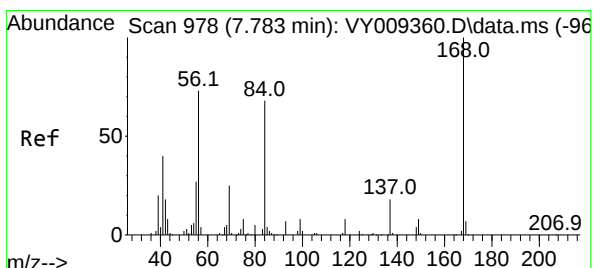
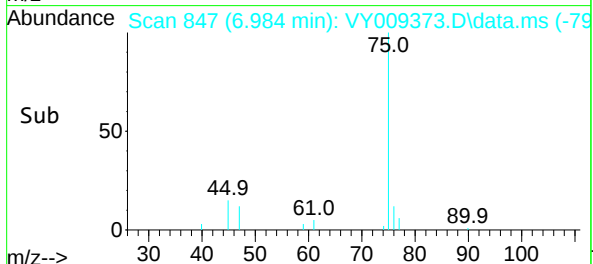
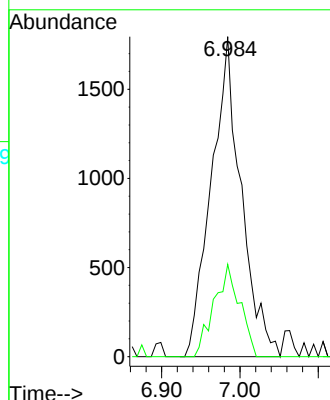
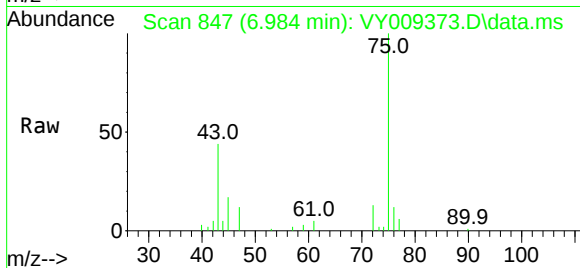
BUR-1206

Tgt Ion: 43 Resp: 4770

Ion Ratio Lower Upper

43 100

72 28.9 17.7 26.5#



#31

Cyclohexane

Concen: 1.701 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.012 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

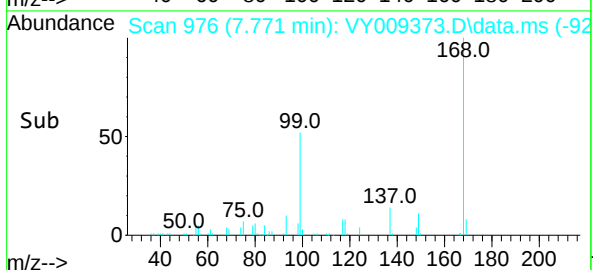
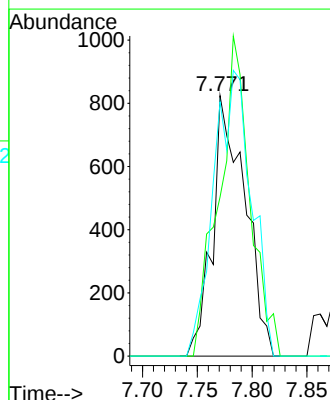
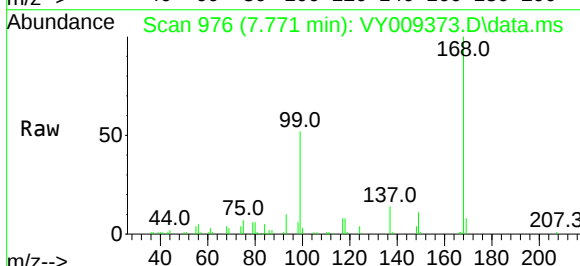
Tgt Ion: 56 Resp: 1695

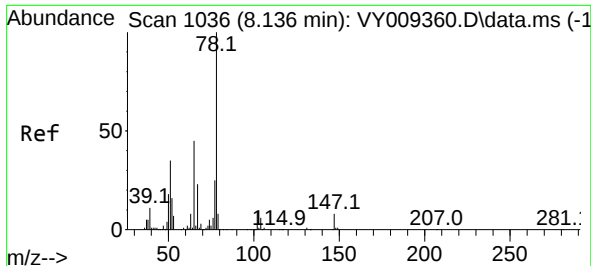
Ion Ratio Lower Upper

56 100

69 61.0 26.7 40.1#

84 97.6 67.2 100.8

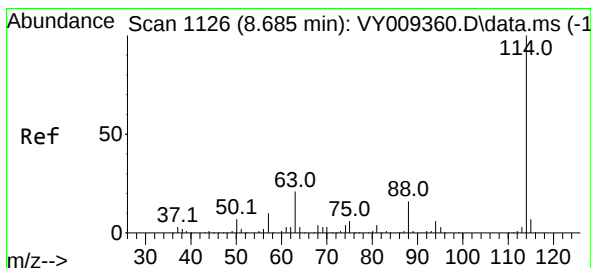
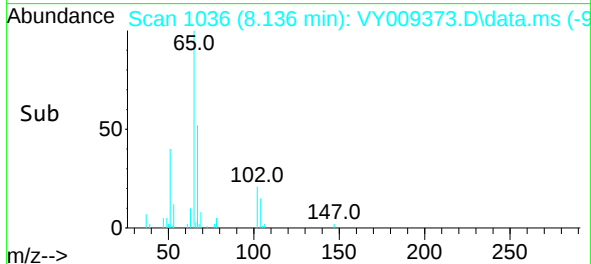
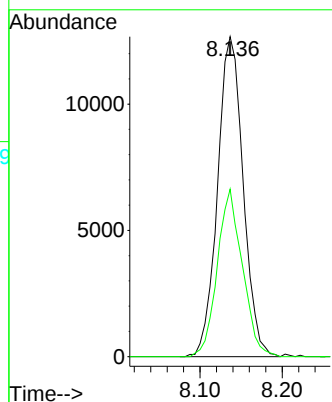
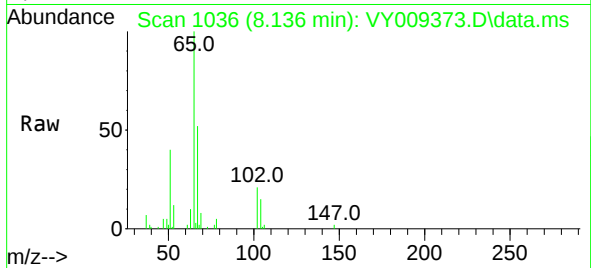




#33
1,2-Dichloroethane-d4
Concen: 62.005 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

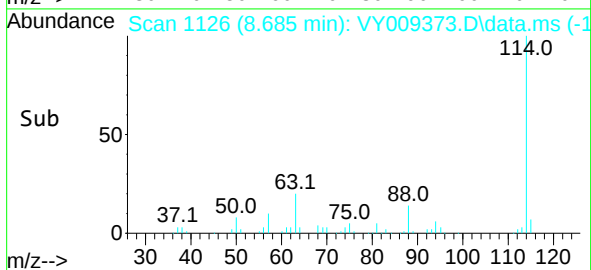
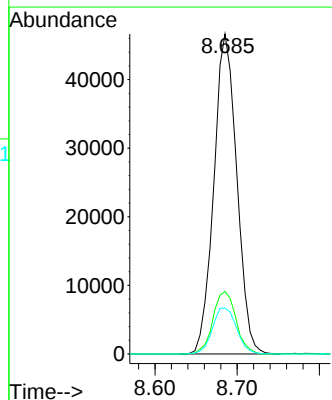
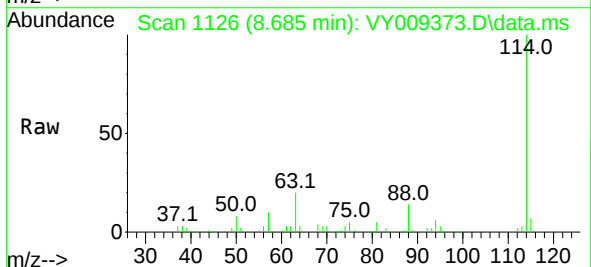
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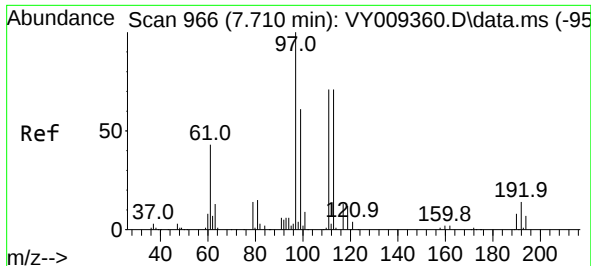
Tgt Ion: 65 Resp: 27468
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 114 Resp: 90603
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.2
88 14.4 0.0 31.8

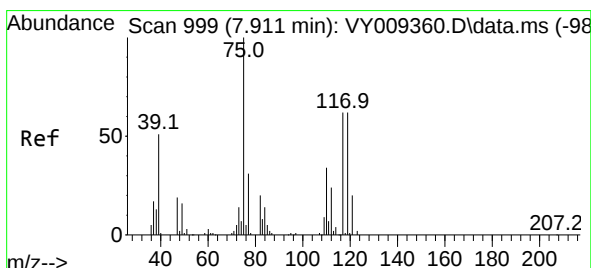
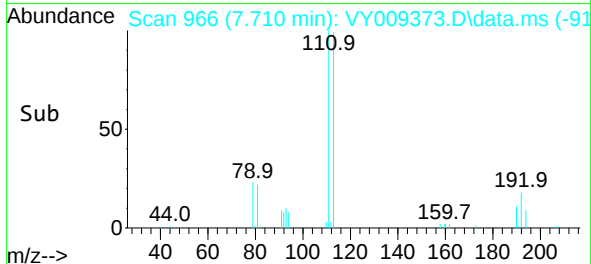
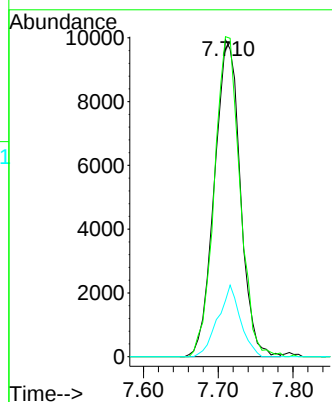
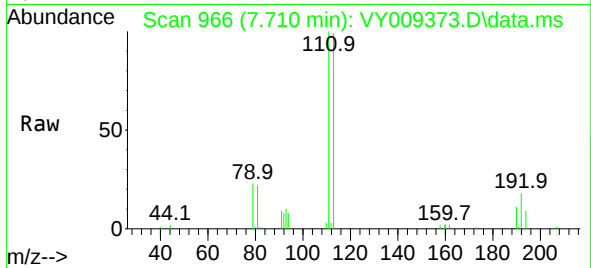




#35
Dibromofluoromethane
Concen: 47.999 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

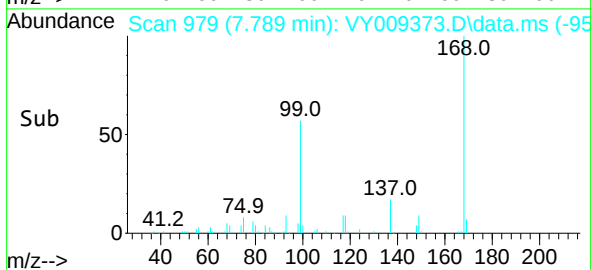
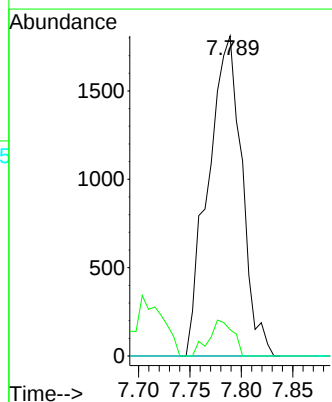
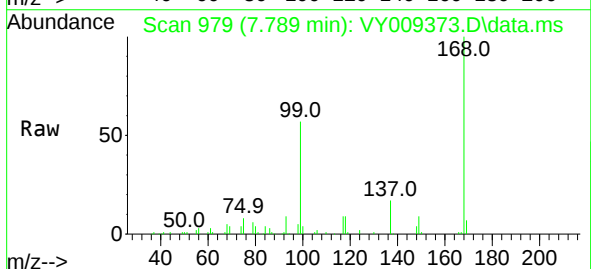
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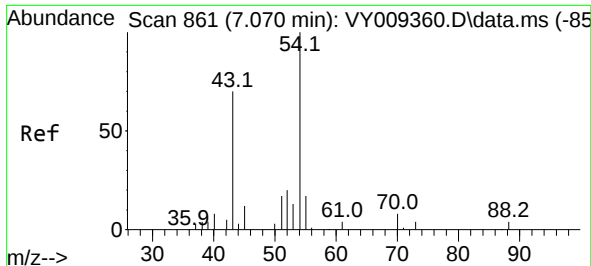
Tgt Ion:113 Resp: 23935
Ion Ratio Lower Upper
113 100
111 99.7 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 75 Resp: 4126
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.225 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

BUR-1206

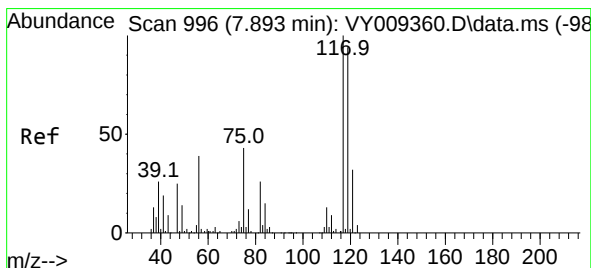
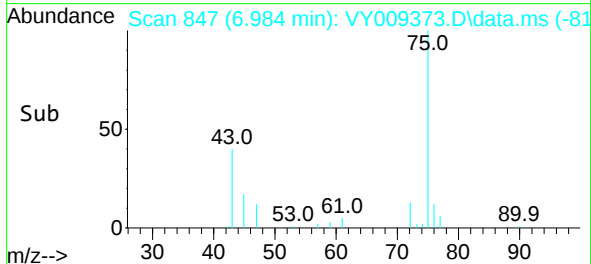
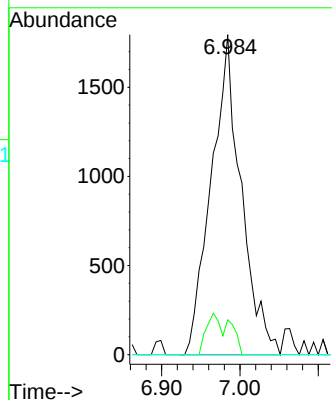
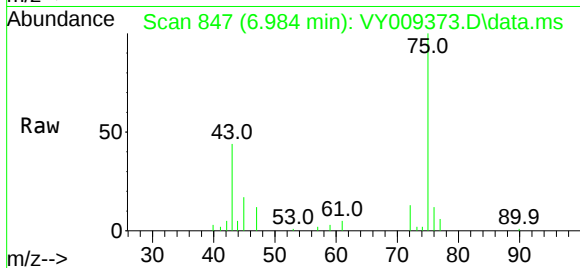
Tgt Ion: 43 Resp: 4770

Ion Ratio Lower Upper

43 100

61 6.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

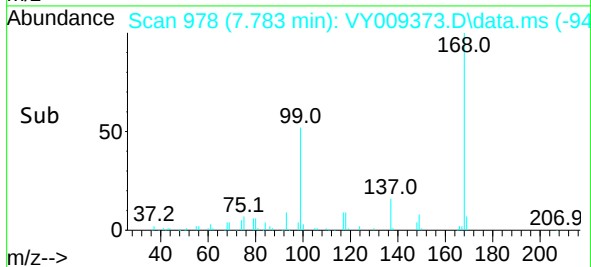
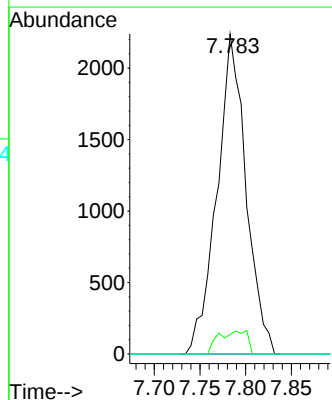
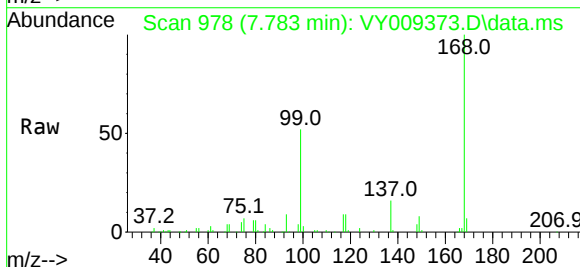
Tgt Ion: 117 Resp: 4943

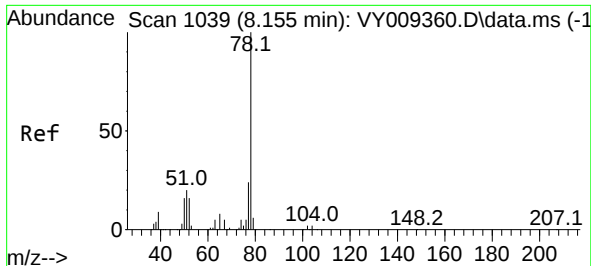
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

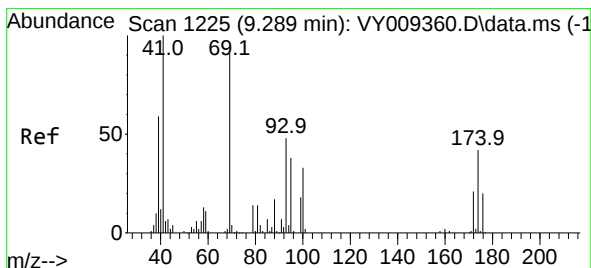
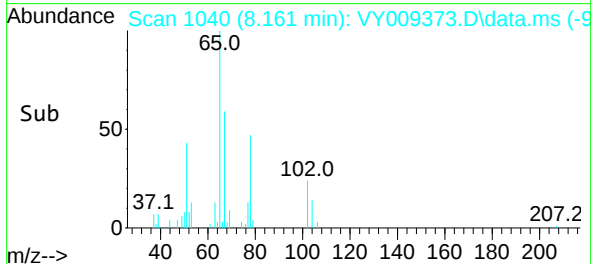
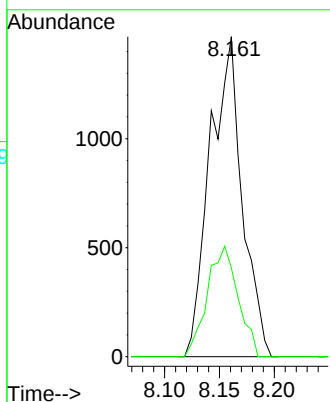
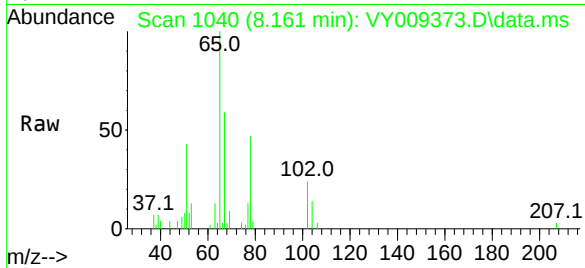




#40
Benzene
Concen: 1.175 ug/l
RT: 8.161 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

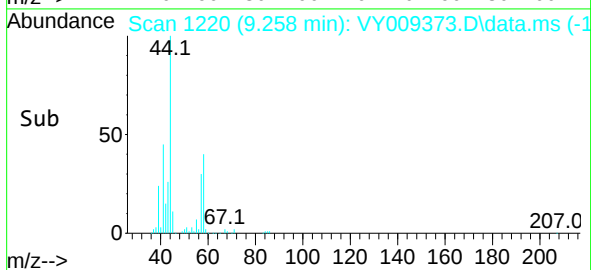
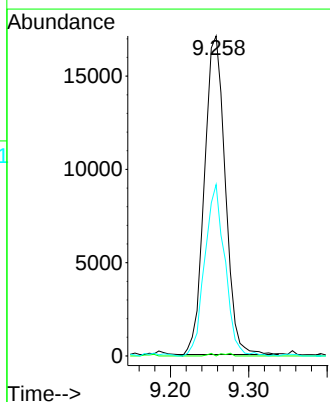
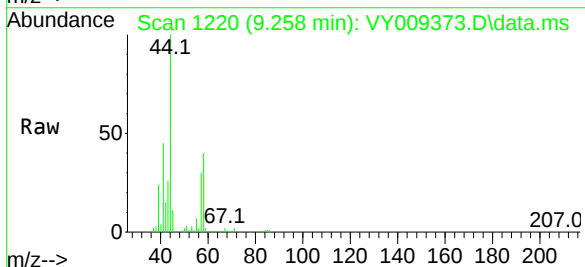
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

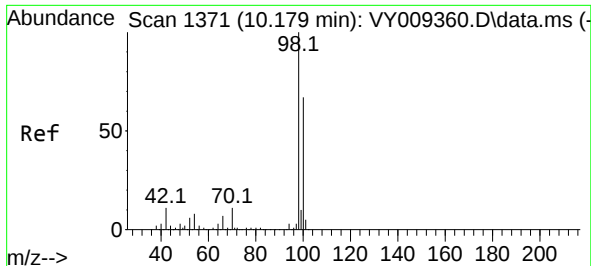
Tgt Ion: 78 Resp: 2996
Ion Ratio Lower Upper
78 100
77 27.7 20.4 30.6



#48
Methyl methacrylate
Concen: 76.853 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.031 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 41 Resp: 31452
Ion Ratio Lower Upper
41 100
69 0.2 58.2 87.2#
39 52.4 47.4 71.0

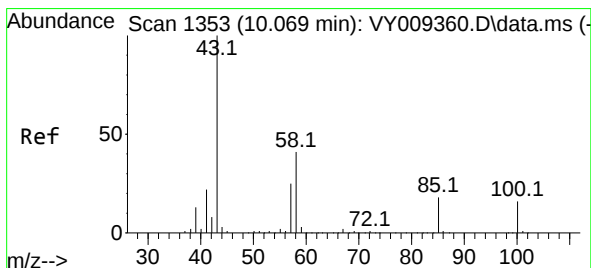
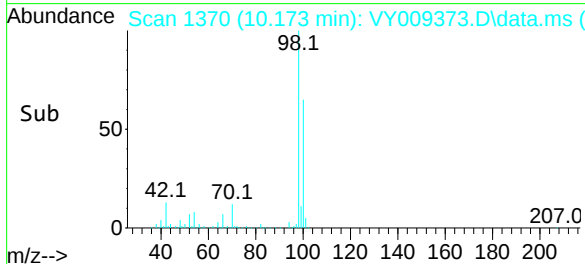
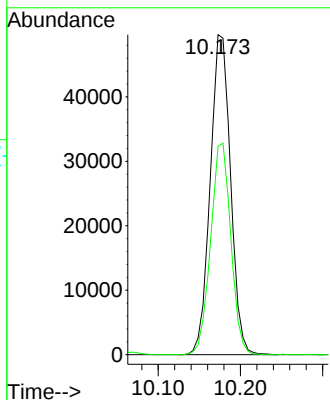
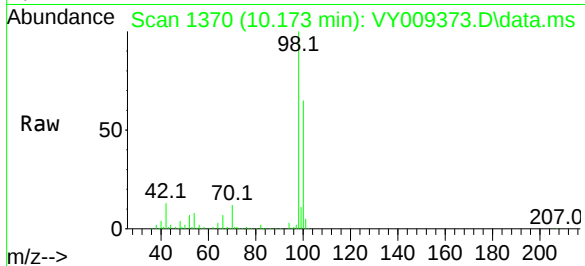




#50
Toluene-d8
Concen: 55.794 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

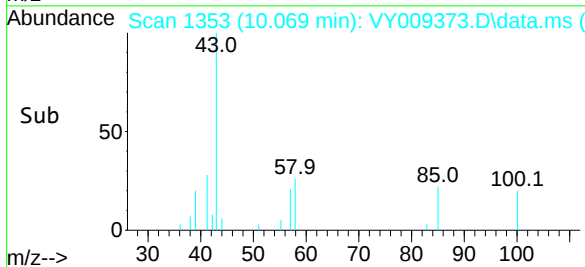
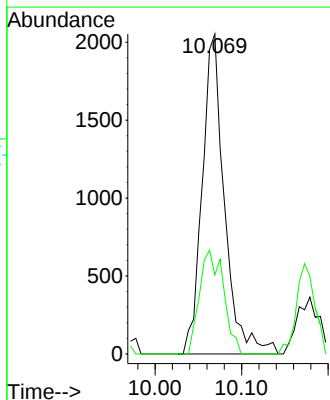
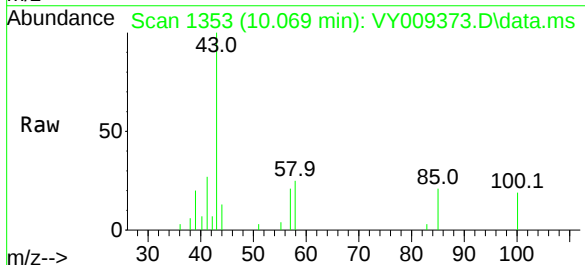
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

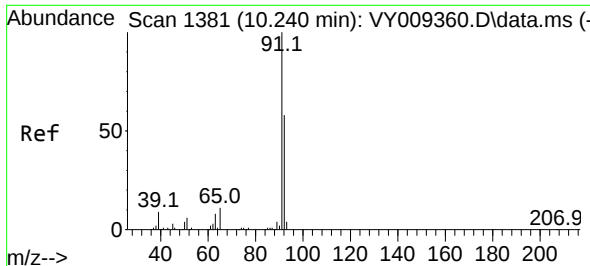
Tgt Ion: 98 Resp: 85302
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 7.469 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 43 Resp: 3656
Ion Ratio Lower Upper
43 100
58 35.0 28.1 42.1

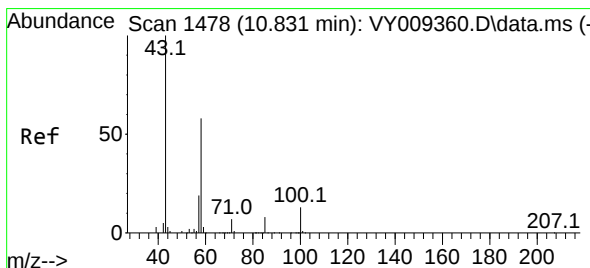
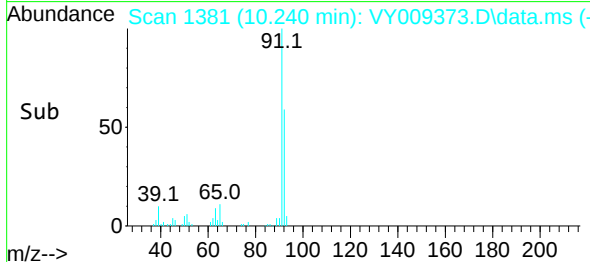
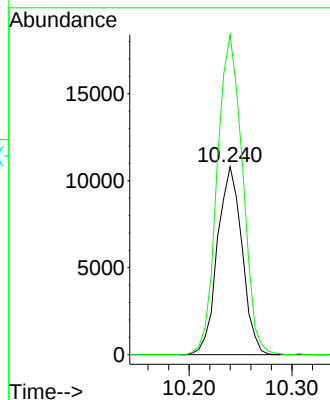
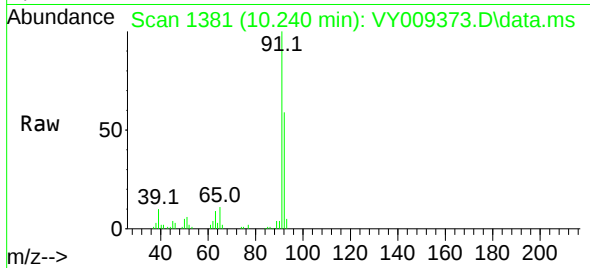




#52
Toluene
Concen: 11.167 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

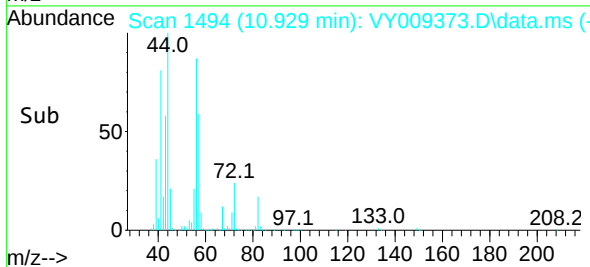
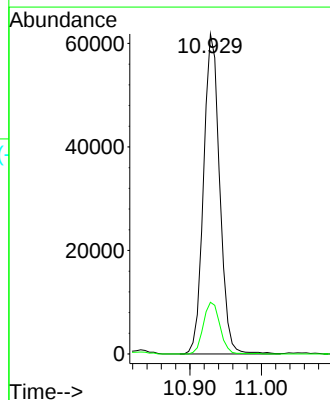
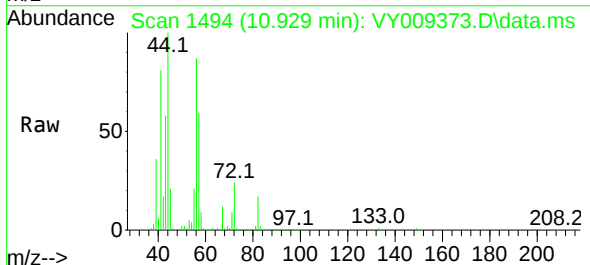
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

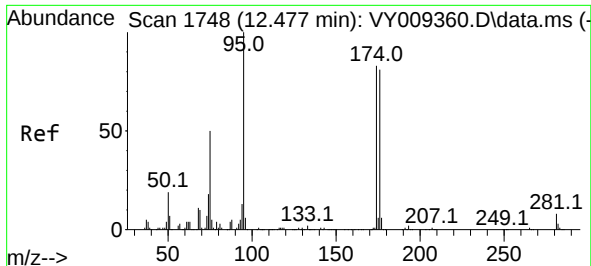
Tgt Ion: 92 Resp: 17964
Ion Ratio Lower Upper
92 100
91 175.9 142.6 213.8



#59
2-Hexanone
Concen: 286.792 ug/l
RT: 10.929 min Scan# 1494
Delta R.T. 0.098 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 43 Resp: 96969
Ion Ratio Lower Upper
43 100
58 16.6 24.4 73.4#

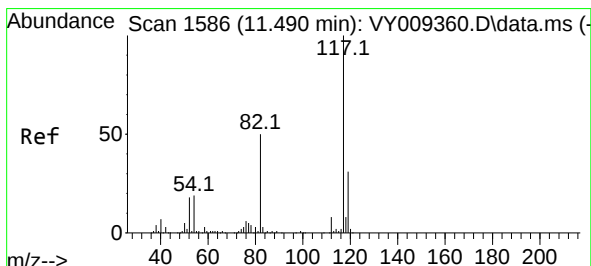
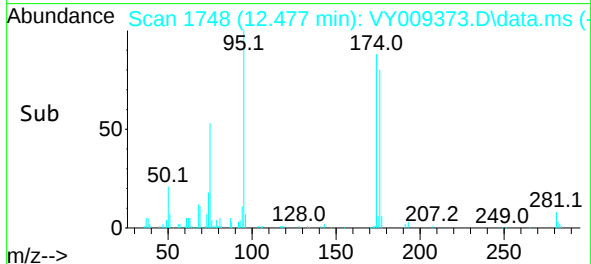
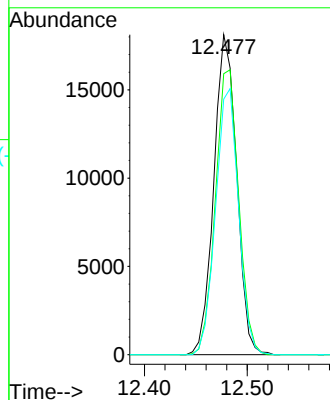
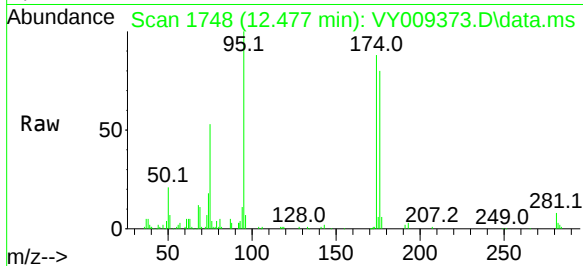




#62
4-Bromofluorobenzene
Concen: 38.417 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

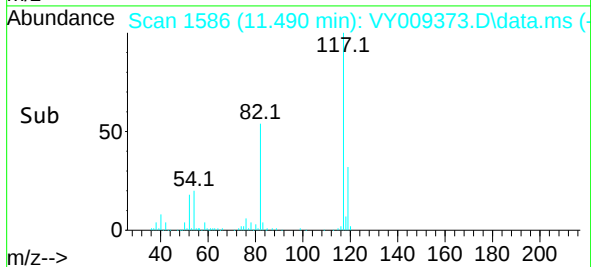
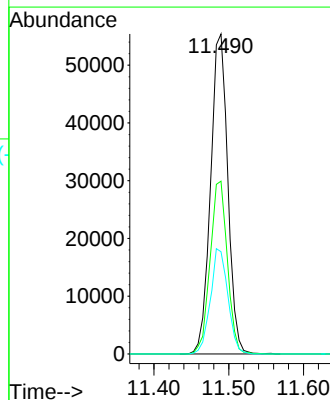
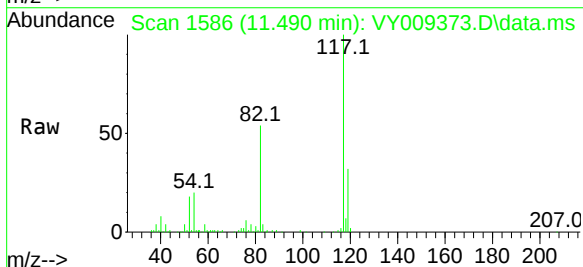
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

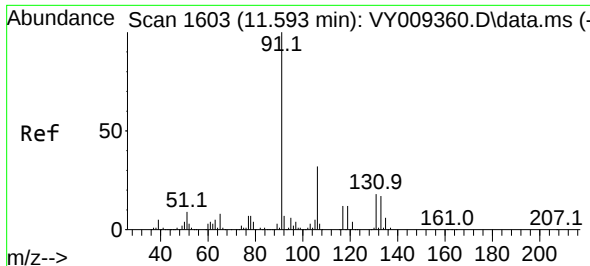
Tgt Ion: 95 Resp: 27856
Ion Ratio Lower Upper
95 100
174 91.0 0.0 177.0
176 83.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 117 Resp: 88580
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.0 25.4 38.0





#67

Ethyl Benzene

Concen: 1.682 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009373.D

Acq: 29 Jun 2022 14:58

Instrument :

MSVOA_Y

ClientSampleId :

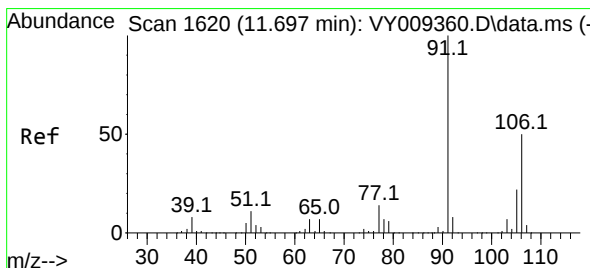
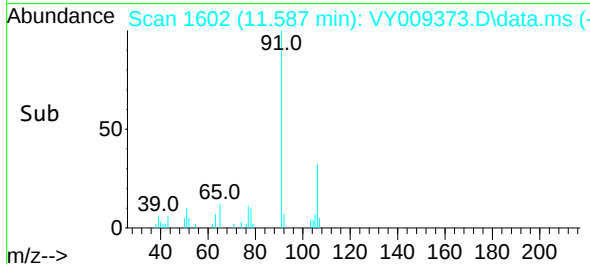
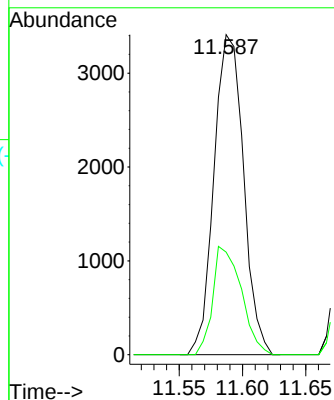
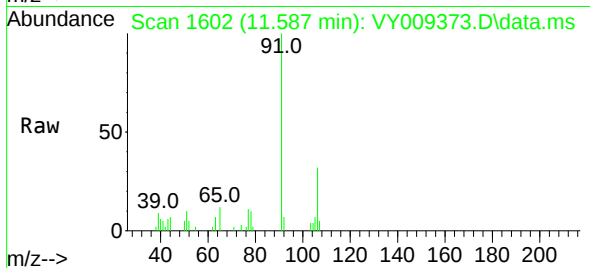
BUR-1206

Tgt Ion: 91 Resp: 5529

Ion Ratio Lower Upper

91 100

106 32.1 24.5 36.7



#68

m/p-Xylenes

Concen: 5.062 ug/l

RT: 11.691 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VY009373.D

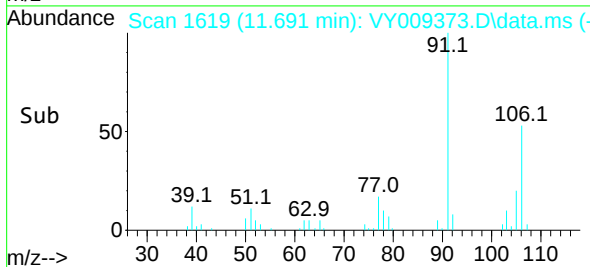
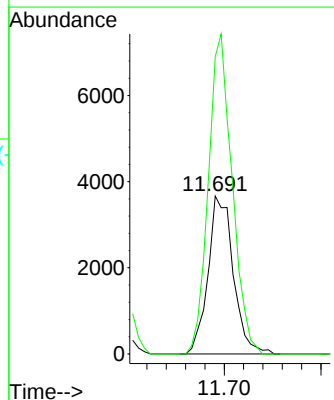
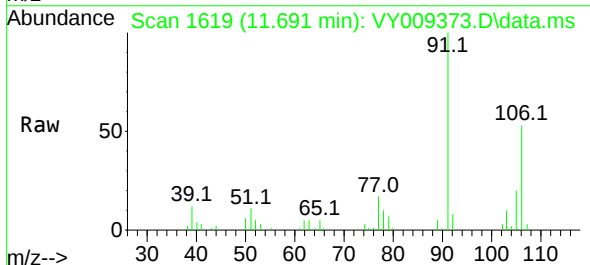
Acq: 29 Jun 2022 14:58

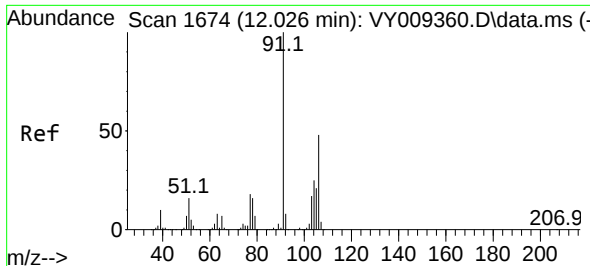
Tgt Ion:106 Resp: 6655

Ion Ratio Lower Upper

106 100

91 191.0 166.6 249.8

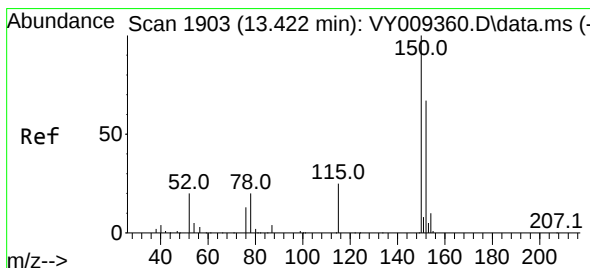
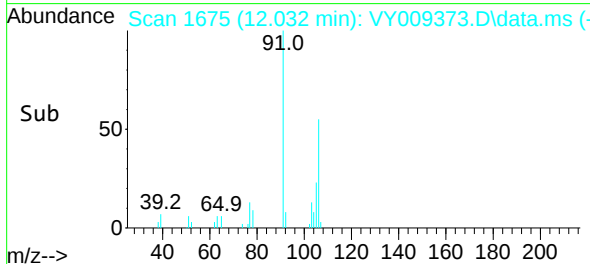
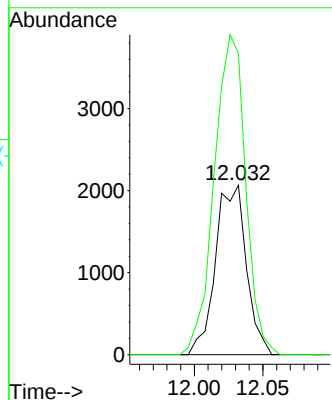
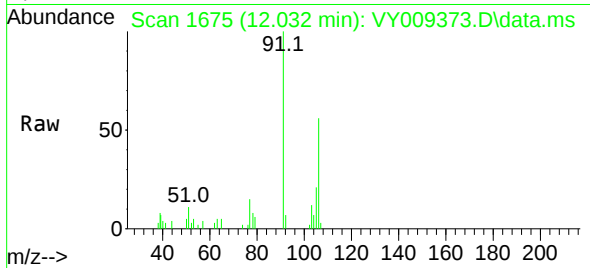




#69
o-Xylene
Concen: 2.607 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

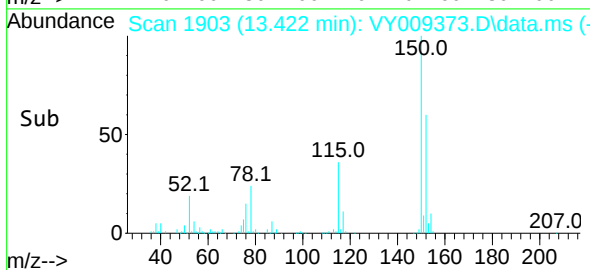
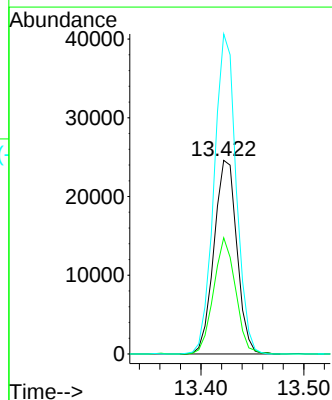
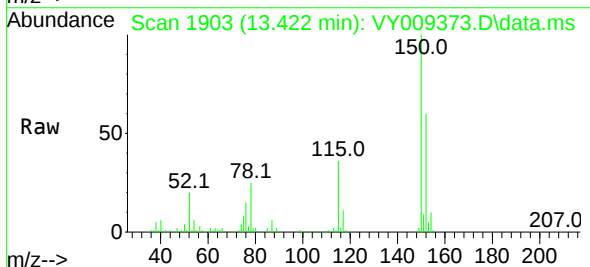
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

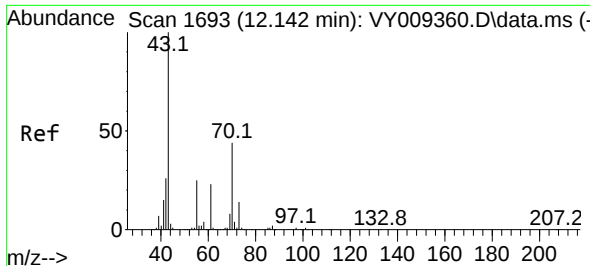
Tgt Ion:106 Resp: 3235
Ion Ratio Lower Upper
106 100
91 192.1 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion:152 Resp: 38037
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 159.5 0.0 347.6

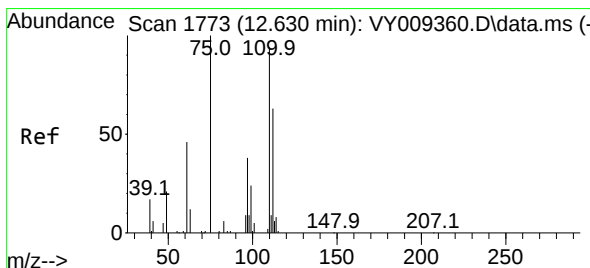
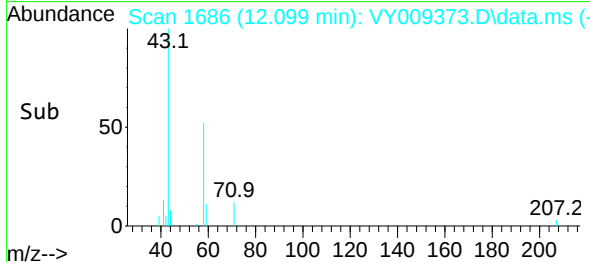
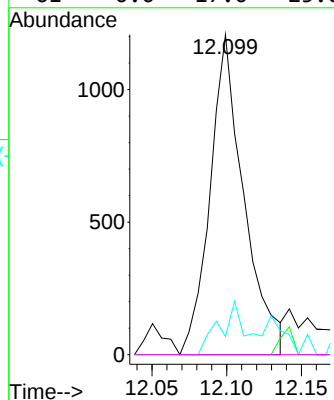
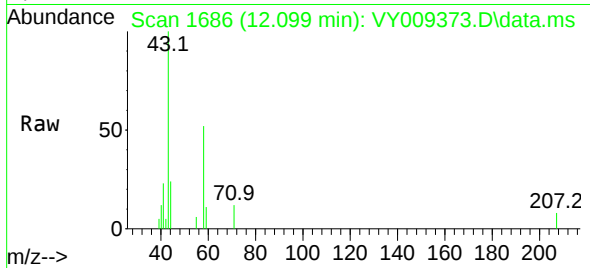




#74
N-amy1 acetate
Concen: 2.584 ug/l
RT: 12.099 min Scan# 1748
Delta R.T. -0.043 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

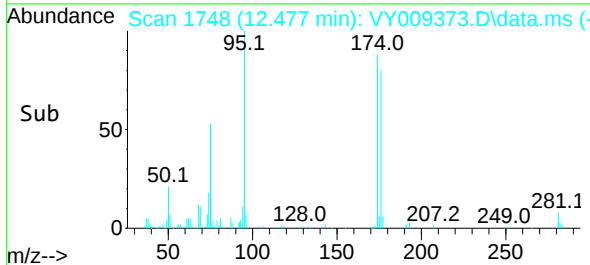
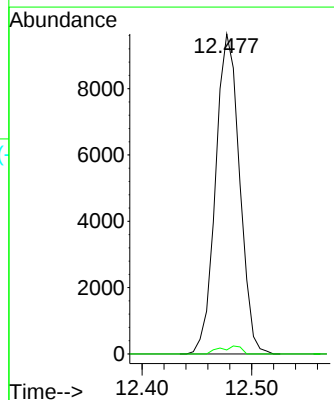
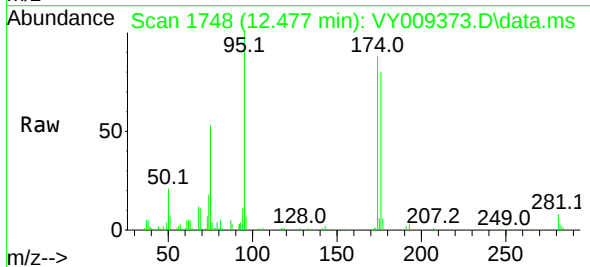
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

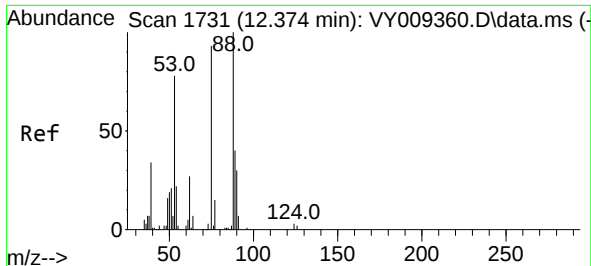
Tgt Ion: 43	Resp:	1904
Ion	Ratio	Lower Upper
43	100	
70	0.0	28.7 43.1#
55	13.3	17.3 25.9#
61	0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 32.985 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 75	Resp:	14693
Ion	Ratio	Lower Upper
75	100	
77	2.2	0.0 0.0#

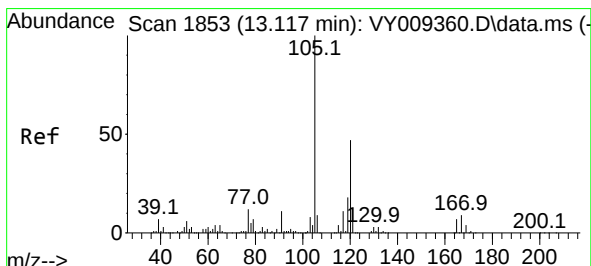
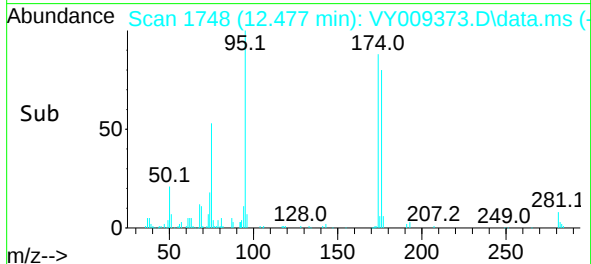
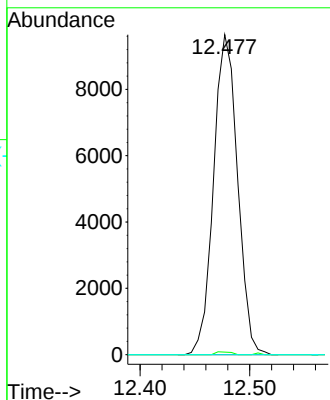
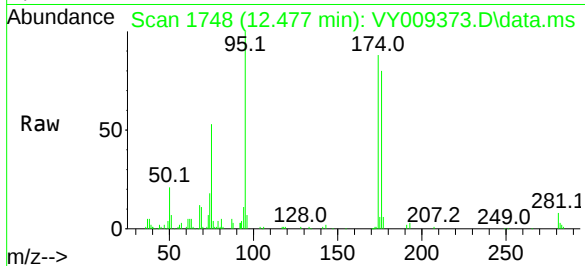




#81
trans-1,4-Dichloro-2-butene
Concen: 73.441 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

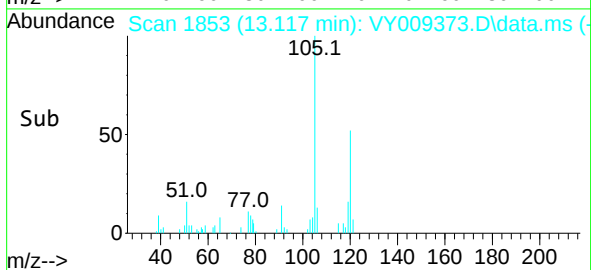
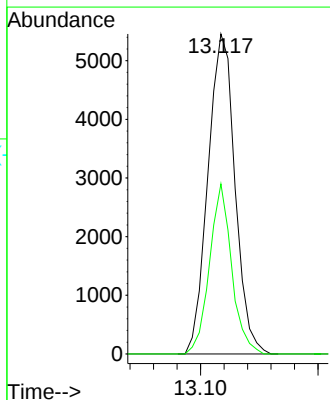
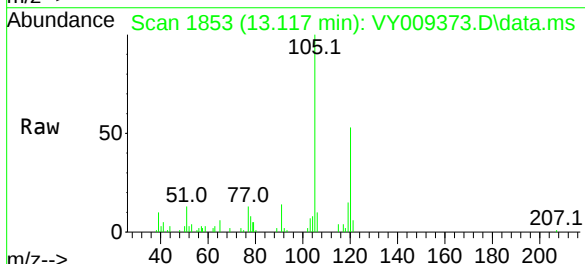
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

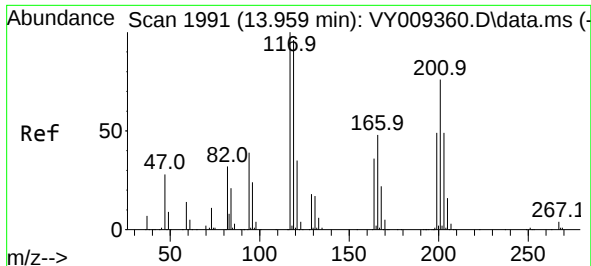
Tgt Ion: 75 Resp: 14693
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.903 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion: 105 Resp: 8714
Ion Ratio Lower Upper
105 100
120 43.5 22.3 66.9

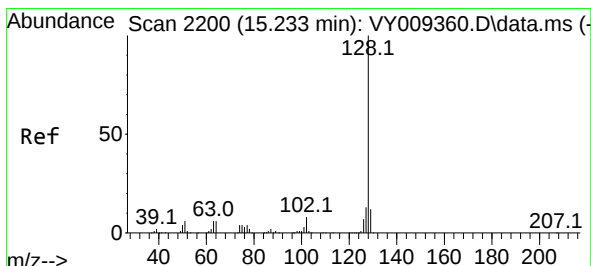
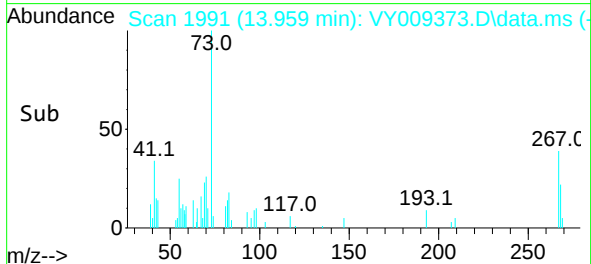
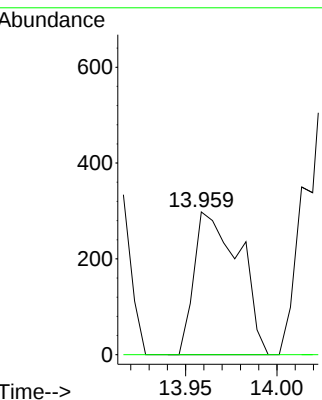
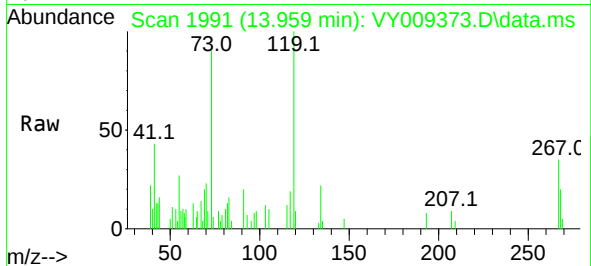




#90
Hexachloroethane
Concen: 1.039 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Instrument :
MSVOA_Y
ClientSampleId :
BUR-1206

Tgt Ion:117 Resp: 515
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 4.992 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009373.D
Acq: 29 Jun 2022 14:58

Tgt Ion:128 Resp: 7120
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.4
129 13.5 8.4 12.6#

