

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014742.D
 Acq On : 21 Jul 2023 13:21
 Operator : SY/MD
 Sample : 03662-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUR-1276RE

Quant Time: Jul 22 05:35:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

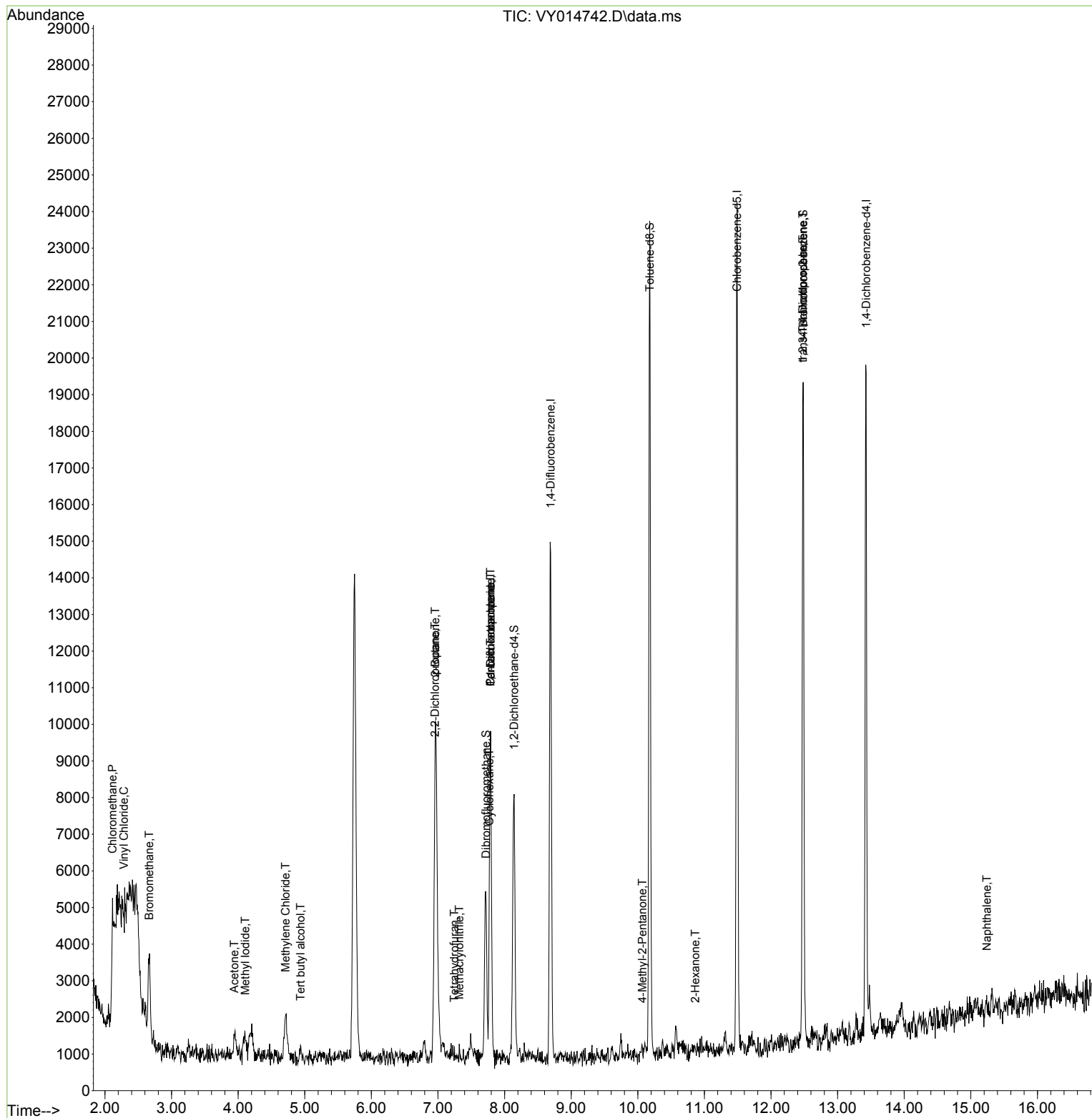
Internal Standards						
1) Pentafluorobenzene	7.789	168	6771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	12758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	12907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5820	75.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.860%			
35) Dibromofluoromethane	7.722	113	3472	42.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 85.500%			
50) Toluene-d8	10.179	98	15166	50.651	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.483	95	5837	50.841	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.680%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	1054	16.997	ug/l	89
4) Vinyl Chloride	2.284	62	99	1.429	ug/l #	44
5) Bromomethane	2.662	94	1353	29.542	ug/l	85
10) Methyl Iodide	4.107	142	1148	16.830	ug/l #	93
11) Tert butyl alcohol	4.936	59	308	7.483	ug/l #	89
16) Acetone	3.942	43	1432	58.567	ug/l	91
20) Methylene Chloride	4.710	84	874	7.406	ug/l #	82
25) 2-Butanone	6.960	43	398	11.126	ug/l #	49
26) 2,2-Dichloropropane	6.954	77	304	2.316	ug/l #	54
29) Tetrahydrofuran	7.246	42	57	2.588	ug/l #	35
31) Cyclohexane	7.771	56	175	1.366	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	567	4.668	ug/l #	41
38) Carbon Tetrachloride	7.789	117	753	5.865	ug/l #	12
41) Methacrylonitrile	7.319	41	52	1.209	ug/l #	32
51) 4-Methyl-2-Pentanone	10.069	43	165	1.973	ug/l #	39
59) 2-Hexanone	10.861	43	129	2.115	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	3094	50.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3094	97.879	ug/l #	10
95) Naphthalene	15.239	128	420	1.839	ug/l #	69

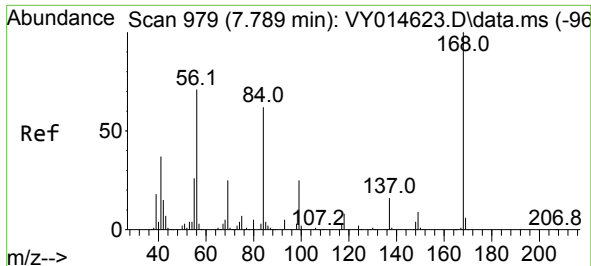
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
Data File : VY014742.D
Acq On : 21 Jul 2023 13:21
Operator : SY/MD
Sample : 03662-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

Quant Time: Jul 22 05:35:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

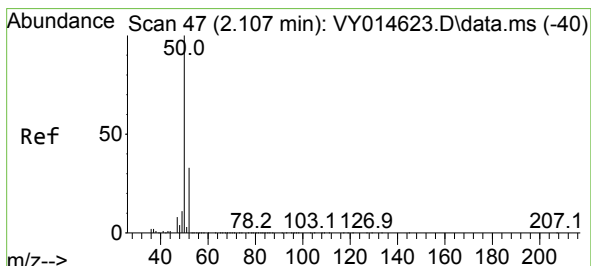
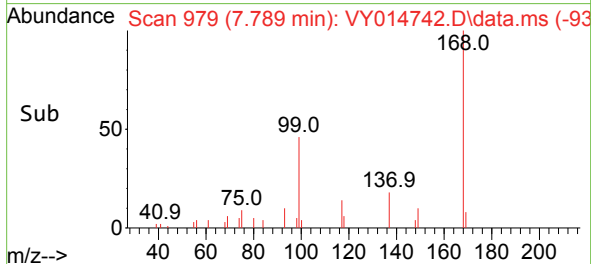
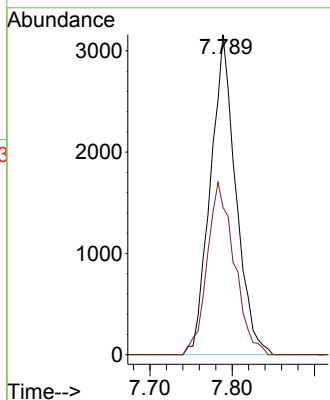
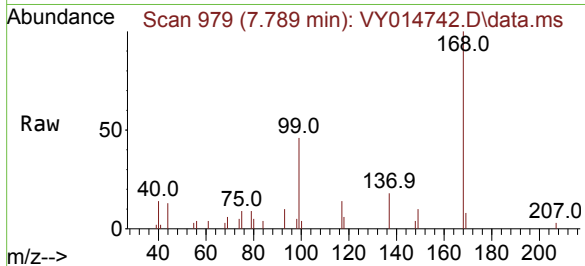




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

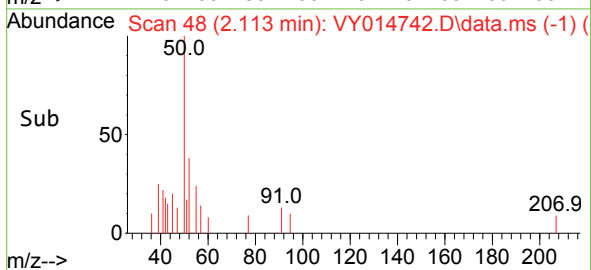
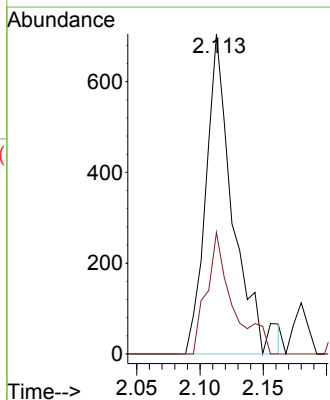
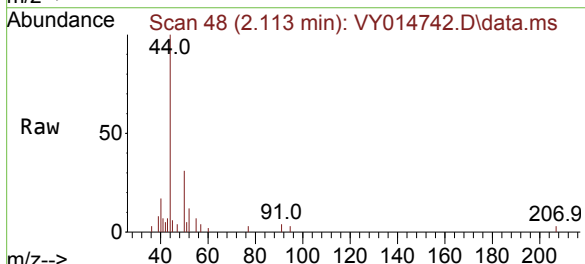
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

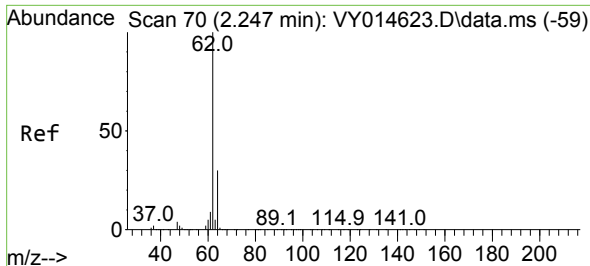
Tgt Ion:168 Resp: 6771
Ion Ratio Lower Upper
168 100
99 46.0 43.4 65.0



#3
Chloromethane
Concen: 16.997 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 50 Resp: 1054
Ion Ratio Lower Upper
50 100
52 38.0 25.4 38.2

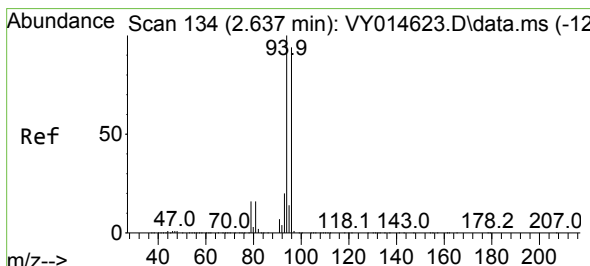
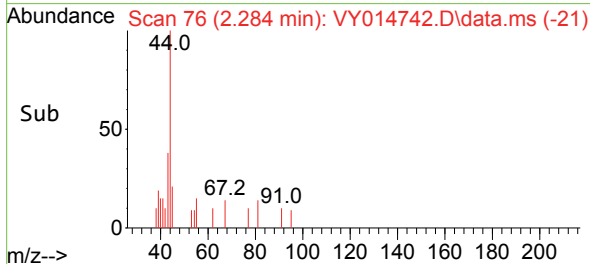
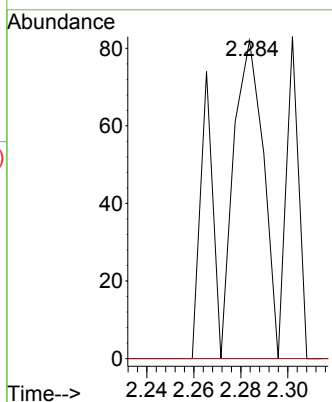
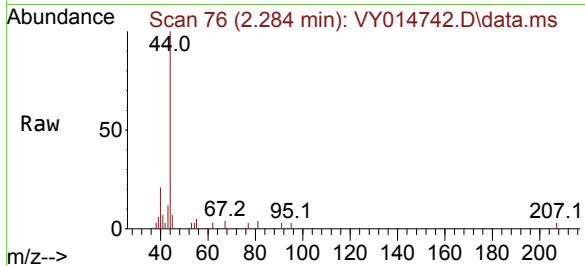




#4
 Vinyl Chloride
 Concen: 1.429 ug/l
 RT: 2.284 min Scan# 70
 Delta R.T. 0.037 min
 Lab File: VY014742.D
 Acq: 21 Jul 2023 13:21

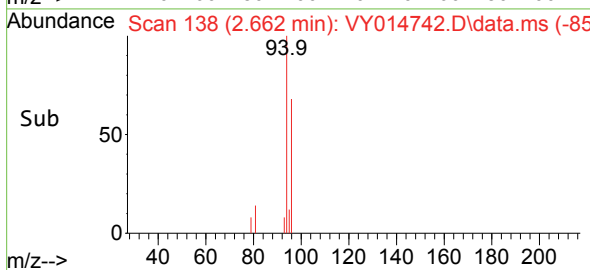
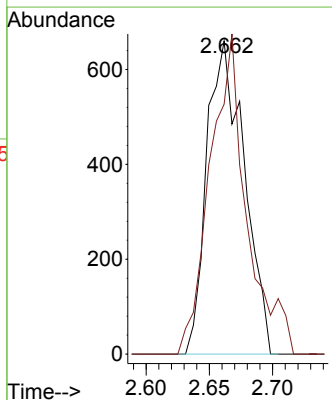
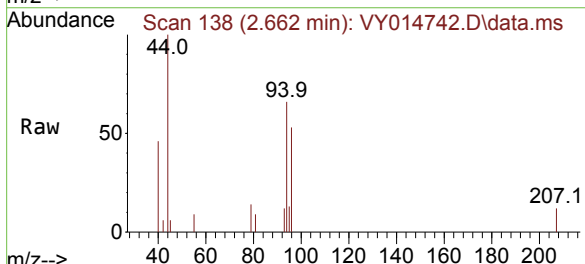
Instrument :
 MSVOA_Y
 ClientSampleId :
 BUR-1276RE

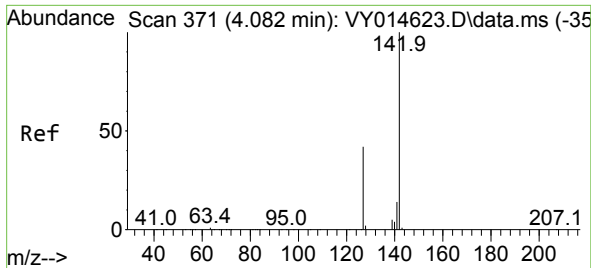
Tgt Ion: 62 Resp: 99
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 29.542 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.025 min
 Lab File: VY014742.D
 Acq: 21 Jul 2023 13:21

Tgt Ion: 94 Resp: 1353
 Ion Ratio Lower Upper
 94 100
 96 79.8 75.8 113.6

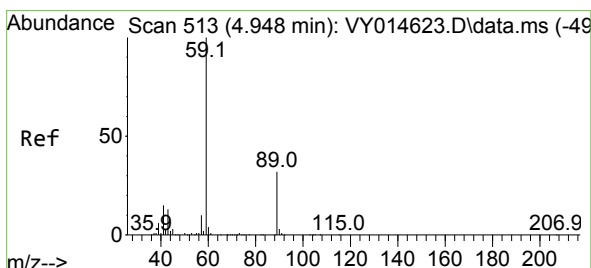
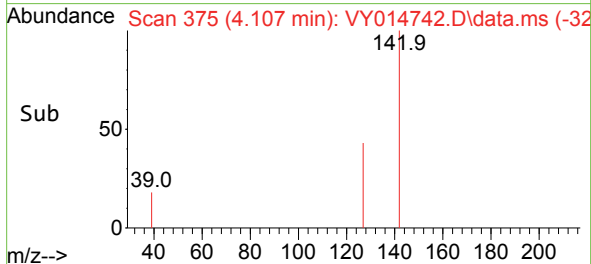
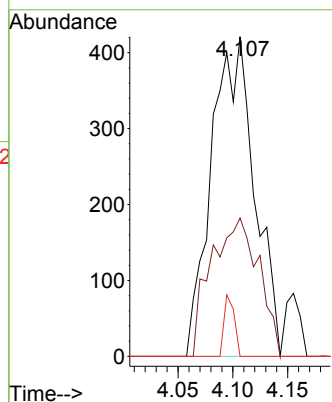
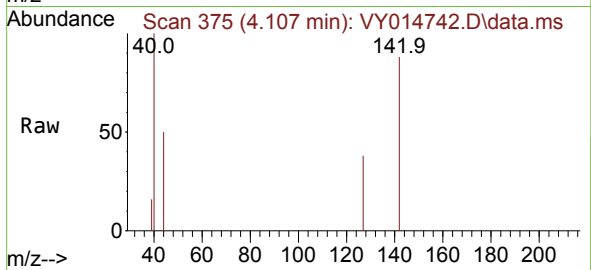




#10
Methyl Iodide
Concen: 16.830 ug/l
RT: 4.107 min Scan# 311
Delta R.T. 0.025 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

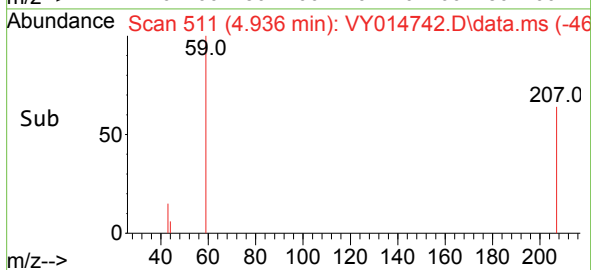
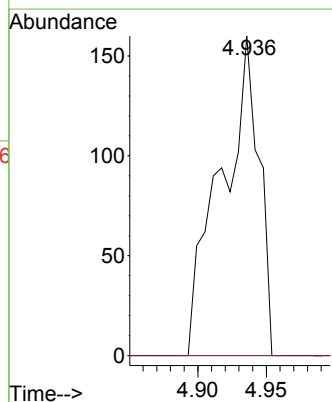
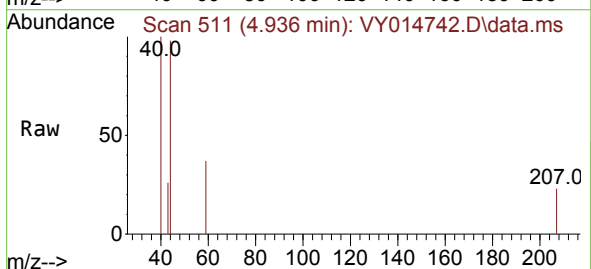
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

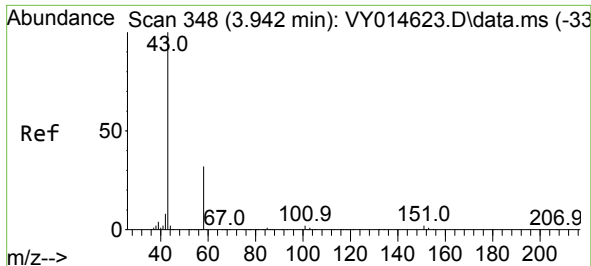
Tgt Ion:142 Resp: 1148
Ion Ratio Lower Upper
142 100
127 48.0 37.6 56.4
141 4.5 11.8 17.8#



#11
Tert butyl alcohol
Concen: 7.483 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

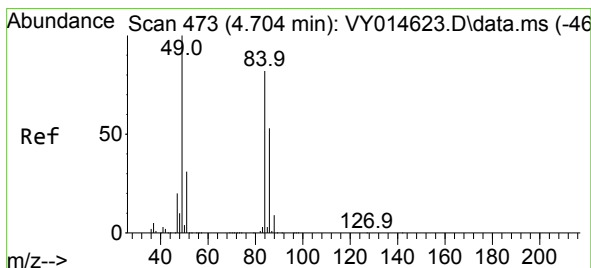
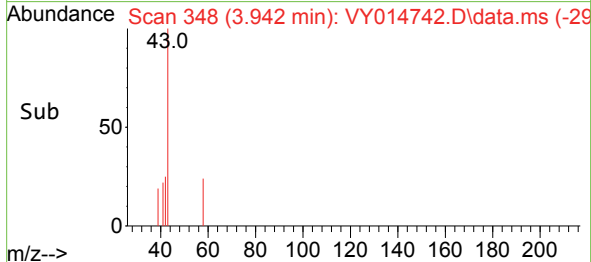
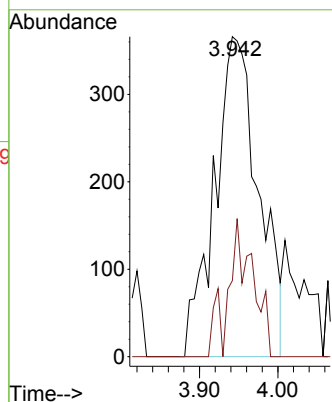
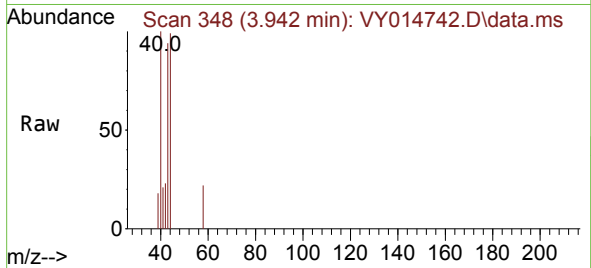




#16
Acetone
Concen: 58.567 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

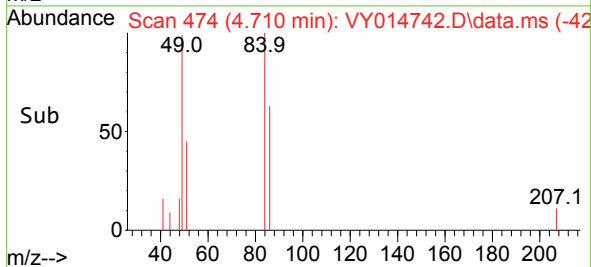
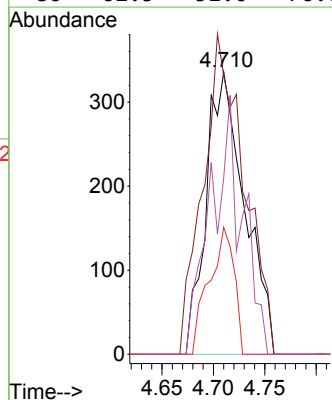
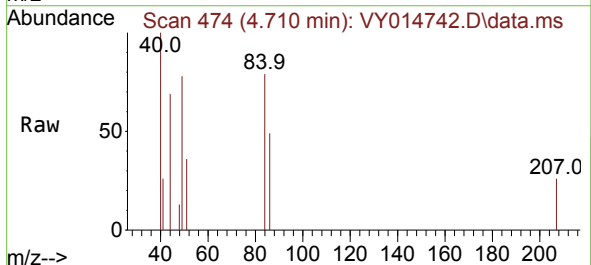
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

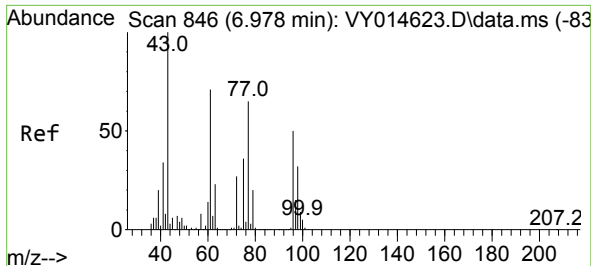
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
58 23.8 22.7 34.1



#20
Methylene Chloride
Concen: 7.406 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 84 Resp: 874
Ion Ratio Lower Upper
84 100
49 98.5 106.9 160.3#
51 44.9 33.2 49.8
86 62.5 51.0 76.6

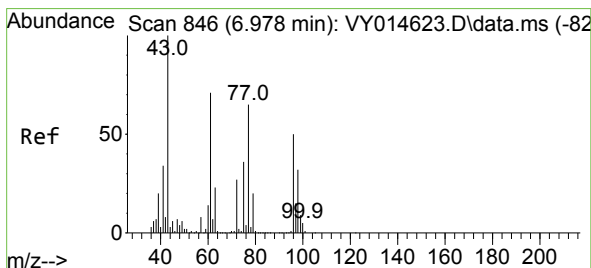
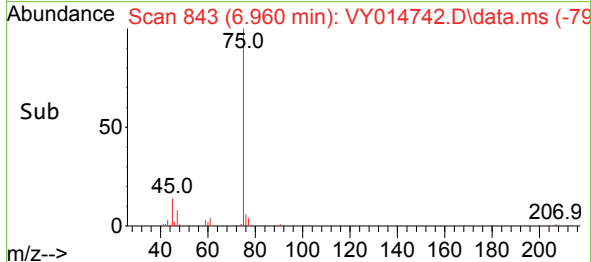
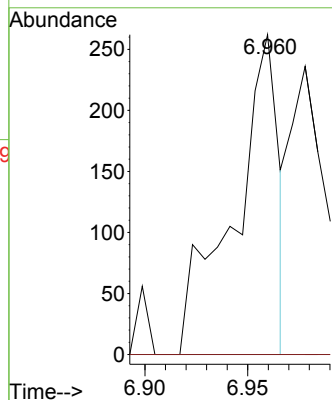
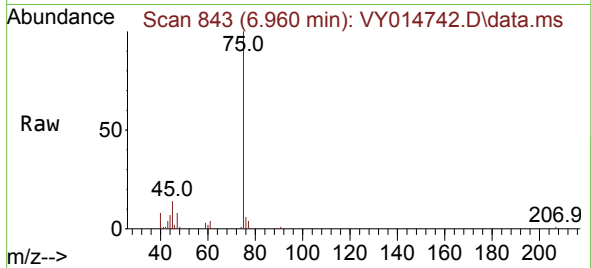




#25
2-Butanone
Concen: 11.126 ug/l
RT: 6.960 min Scan# 842
Delta R.T. -0.018 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

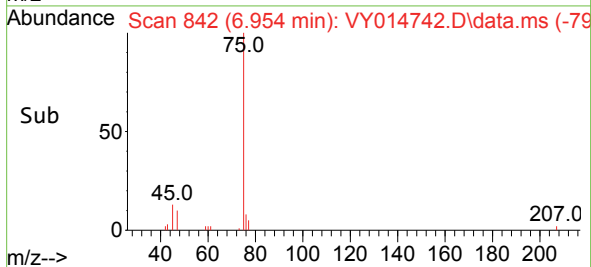
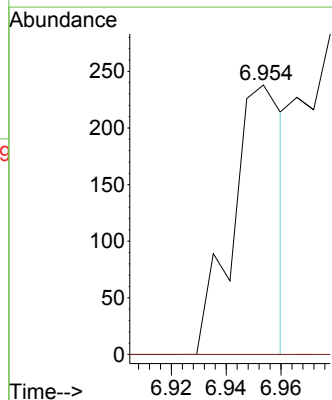
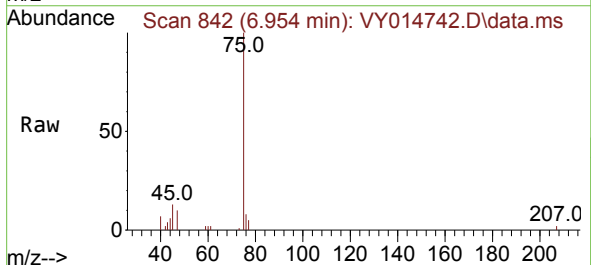
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

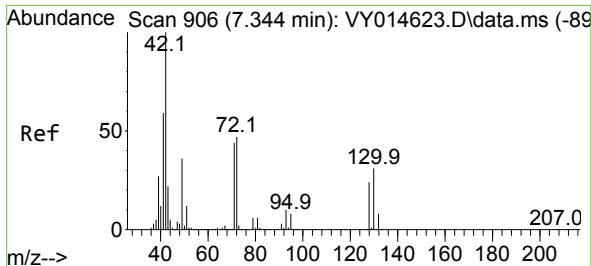
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.316 ug/l
RT: 6.954 min Scan# 842
Delta R.T. -0.024 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 77 Resp: 304
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 2.588 ug/l

RT: 7.246 min Scan# 89

Delta R.T. -0.098 min

Lab File: VY014742.D

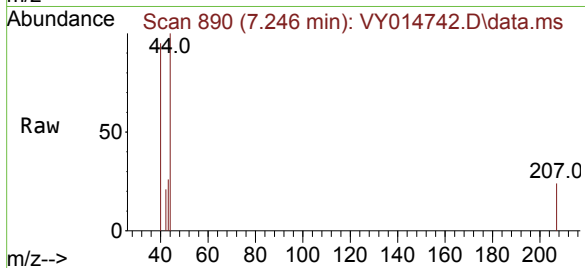
Acq: 21 Jul 2023 13:21

Instrument :

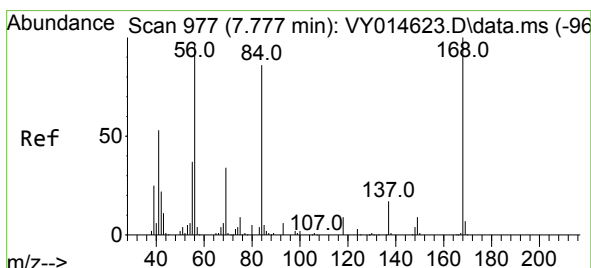
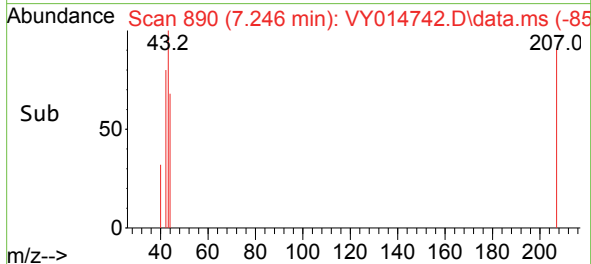
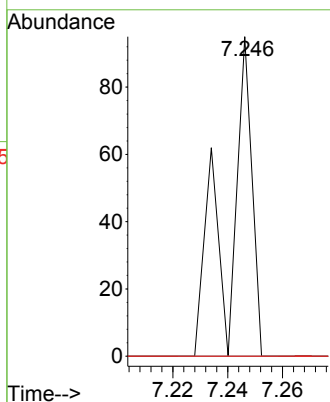
MSVOA_Y

ClientSampleId :

BUR-1276RE



Tgt Ion:	42	Resp:	57
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 1.366 ug/l

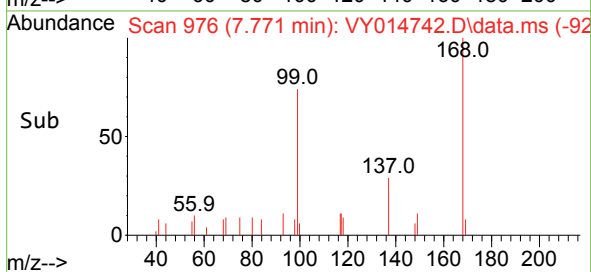
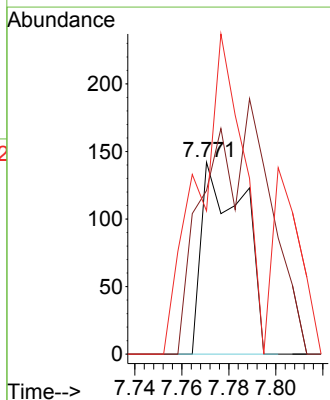
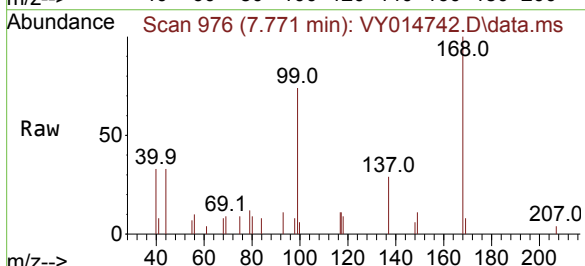
RT: 7.771 min Scan# 976

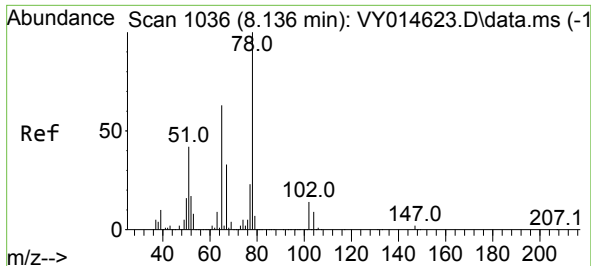
Delta R.T. -0.006 min

Lab File: VY014742.D

Acq: 21 Jul 2023 13:21

Tgt Ion:	56	Resp:	175
Ion	Ratio	Lower	Upper
56	100		
69	85.2	27.8	41.6#
84	21.1	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 75.429 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014742.D

Acq: 21 Jul 2023 13:21

Instrument :

MSVOA_Y

ClientSampleId :

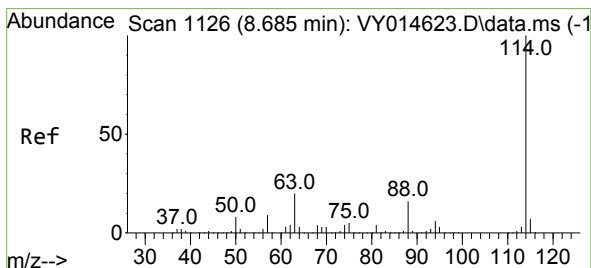
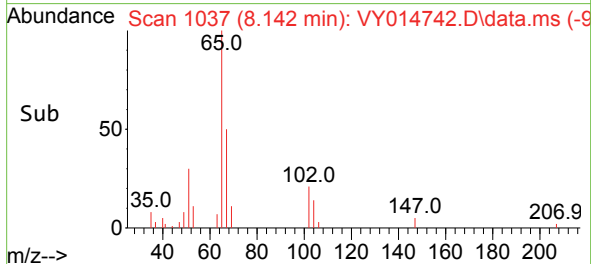
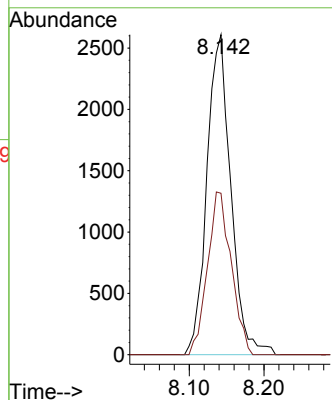
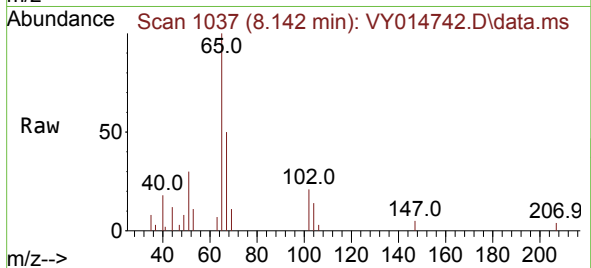
BUR-1276RE

Tgt Ion: 65 Resp: 5820

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014742.D

Acq: 21 Jul 2023 13:21

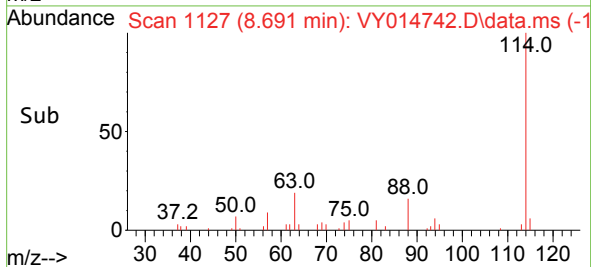
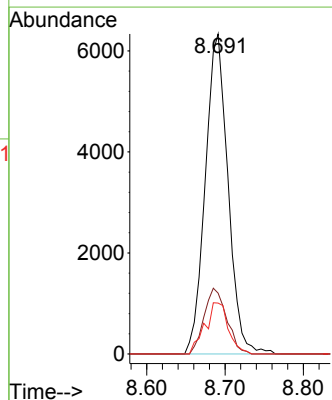
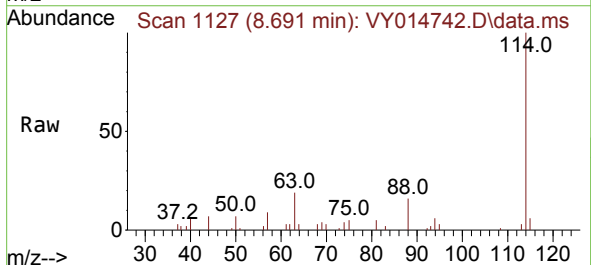
Tgt Ion: 114 Resp: 12758

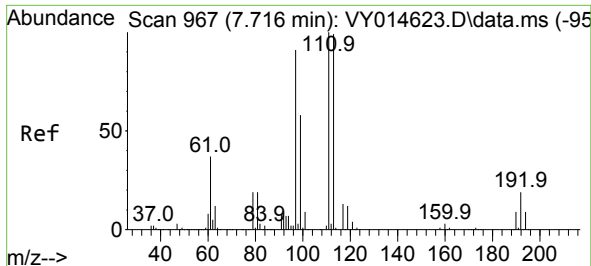
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.9 0.0 30.6

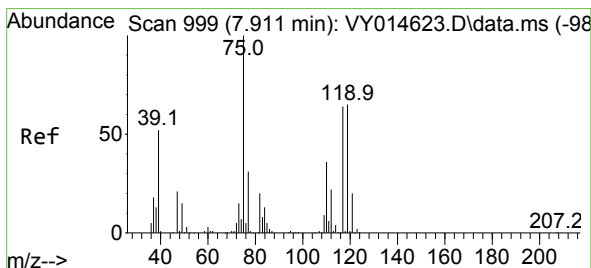
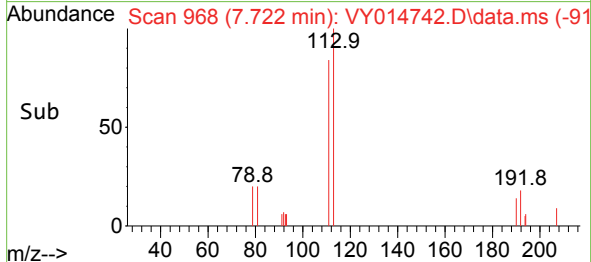
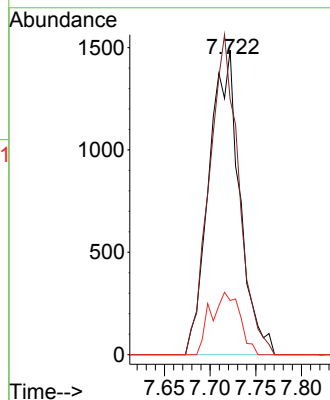
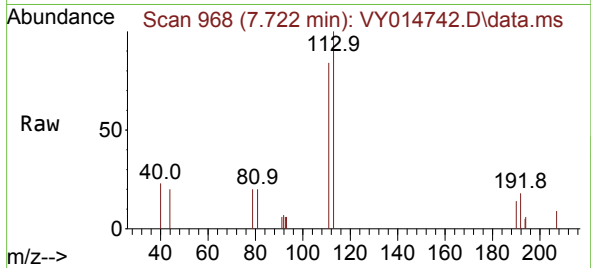




#35
Dibromofluoromethane
Concen: 42.751 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

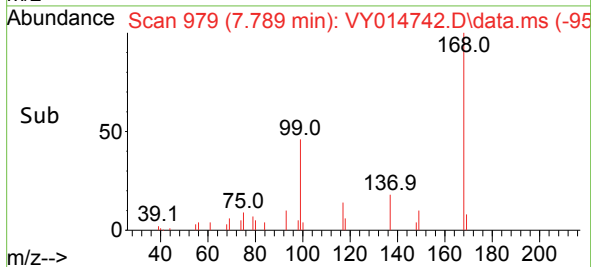
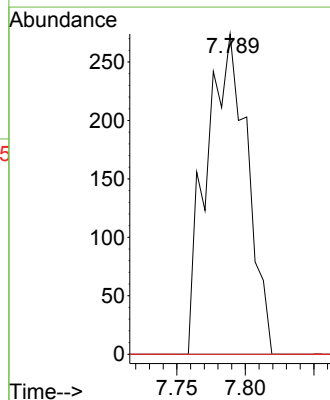
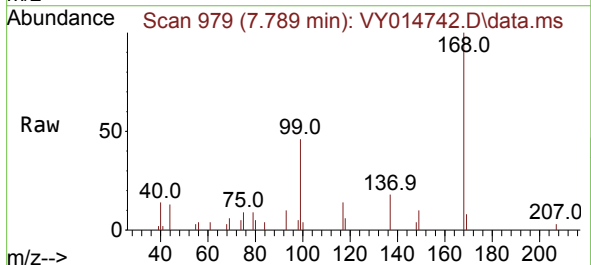
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

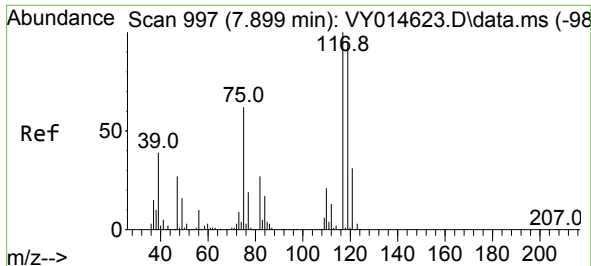
Tgt Ion:113 Resp: 3472
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.668 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

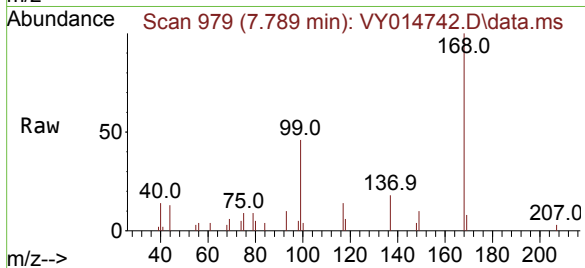
Tgt Ion: 75 Resp: 567
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



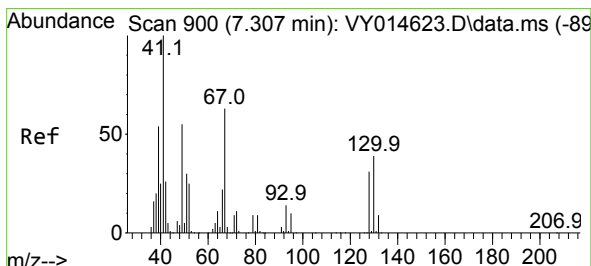
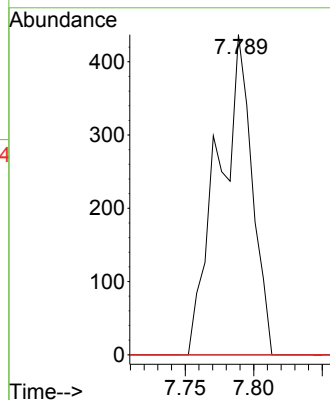
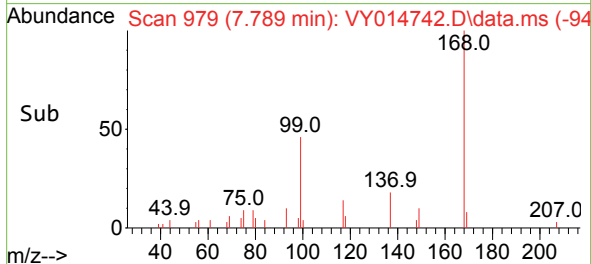


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

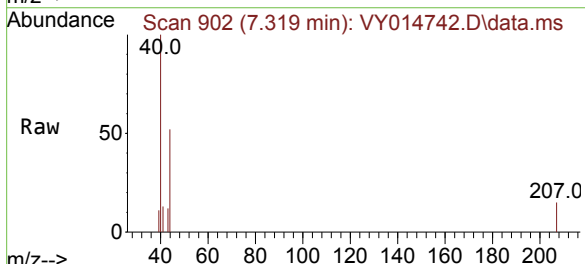
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE



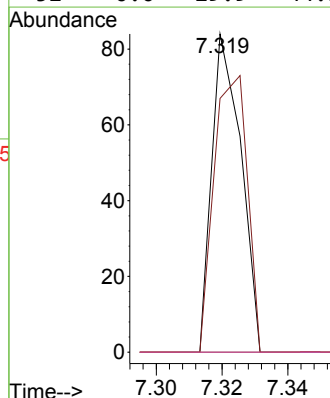
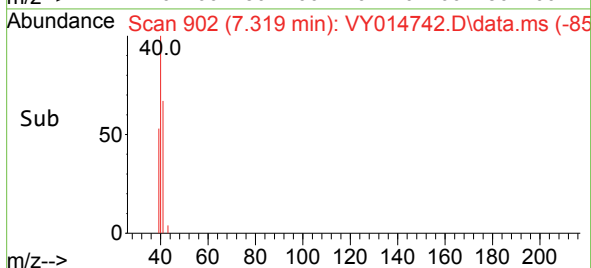
Tgt Ion:117 Resp: 753
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

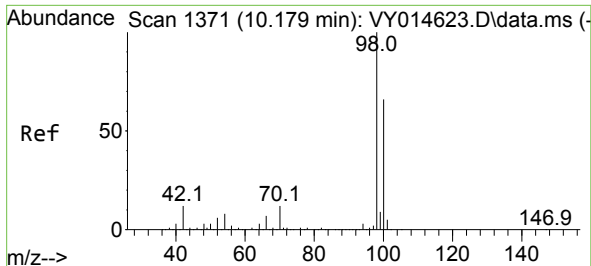


#41
Methacrylonitrile
Concen: 1.209 ug/l
RT: 7.319 min Scan# 902
Delta R.T. 0.012 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21



Tgt Ion: 41 Resp: 52
Ion Ratio Lower Upper
41 100
39 98.1 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

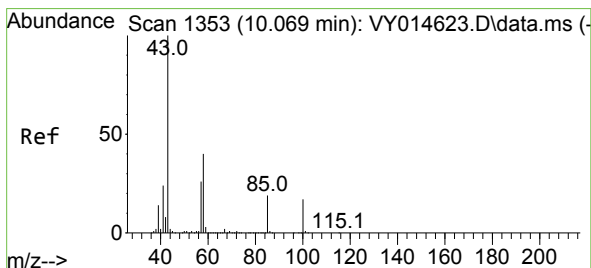
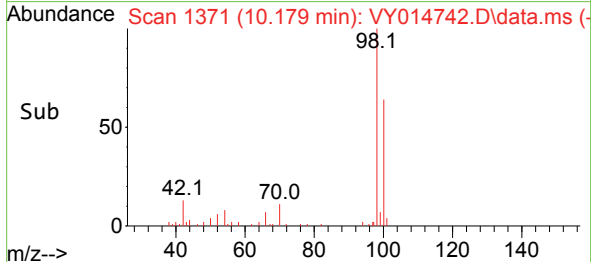
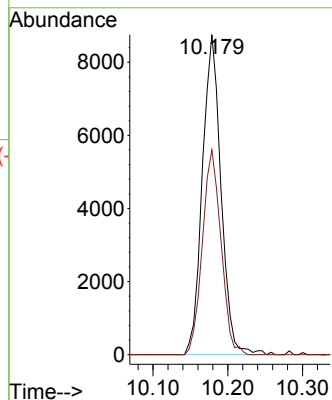
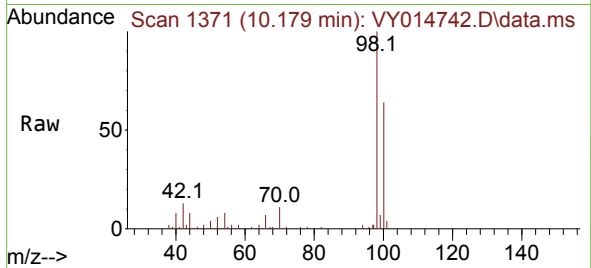




#50
Toluene-d8
Concen: 50.651 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

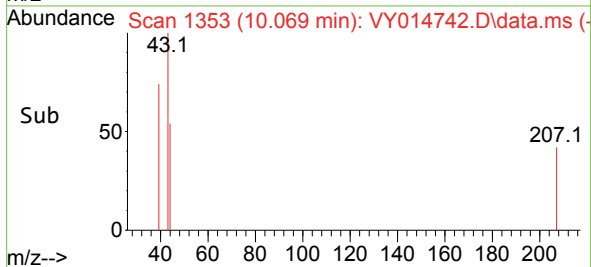
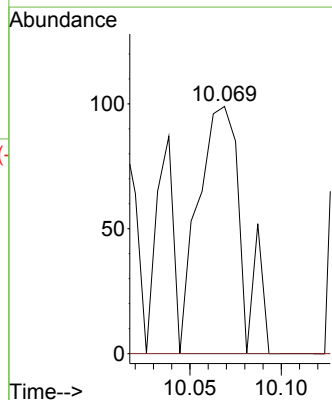
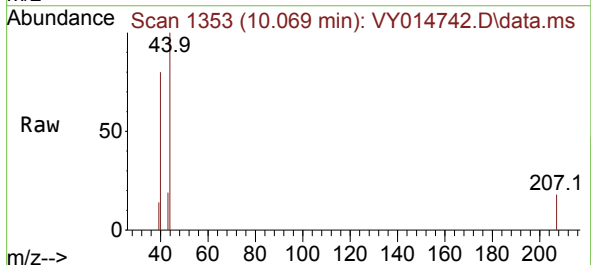
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

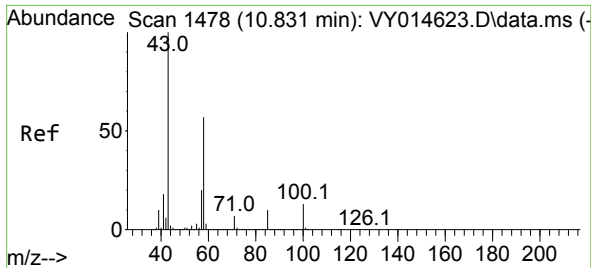
Tgt Ion: 98 Resp: 15166
Ion Ratio Lower Upper
98 100
100 63.9 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.973 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

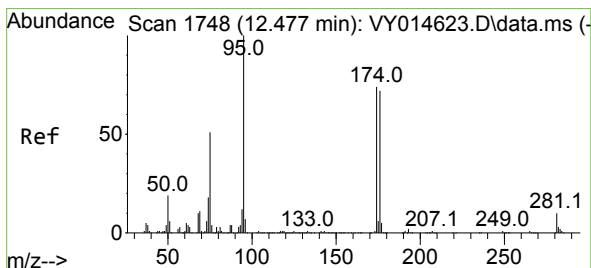
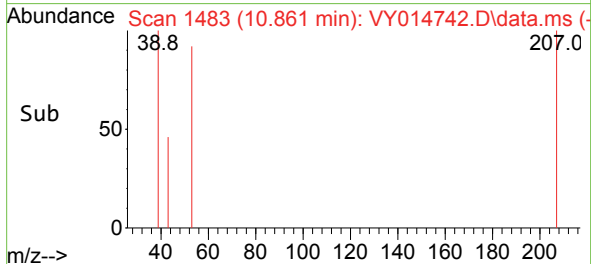
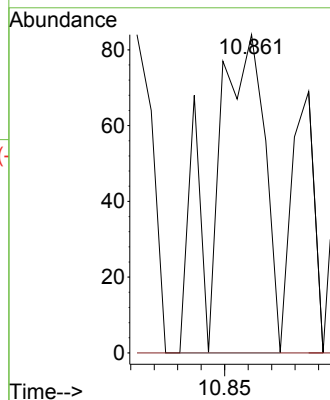
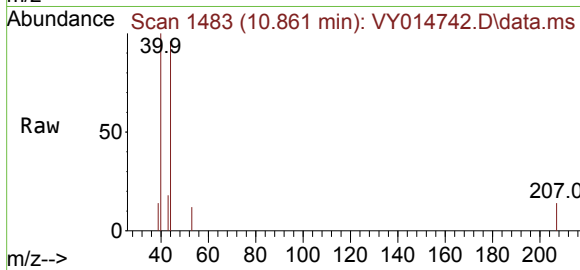




#59
2-Hexanone
Concen: 2.115 ug/l
RT: 10.861 min Scan# 1478
Delta R.T. 0.030 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

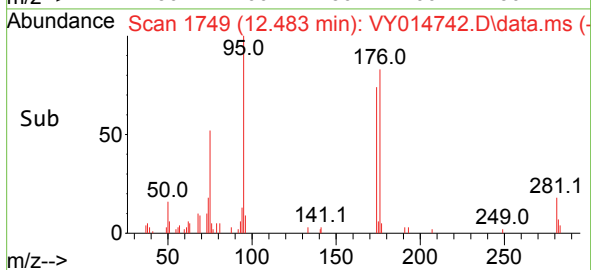
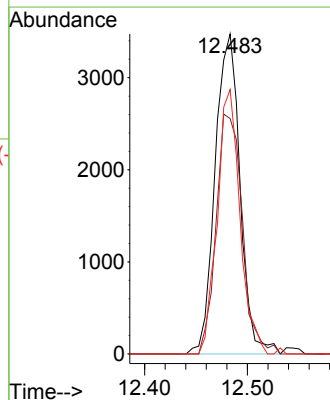
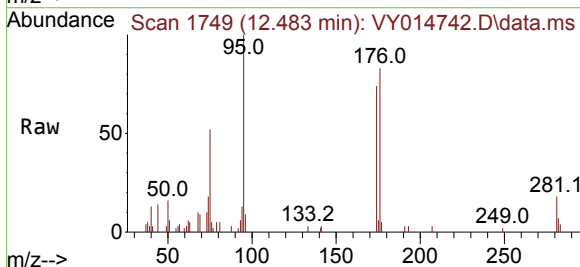
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

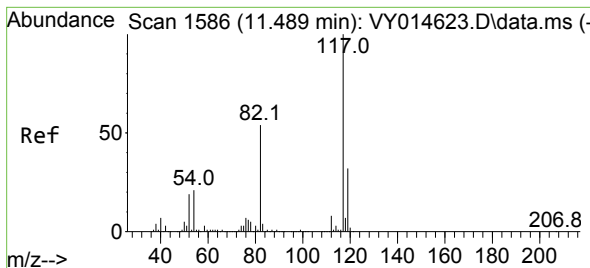
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 50.841 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 95 Resp: 5837
Ion Ratio Lower Upper
95 100
174 78.5 0.0 178.2
176 75.3 0.0 173.8

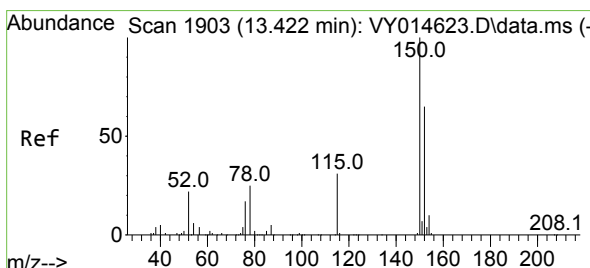
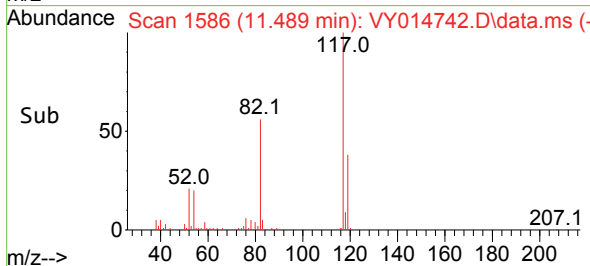
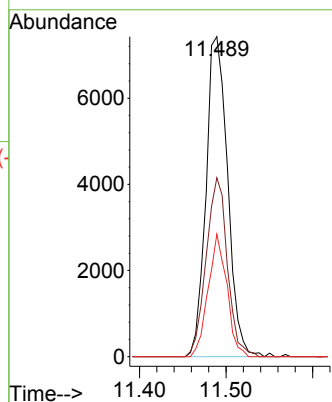
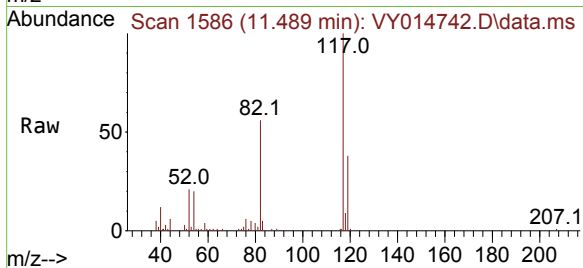




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

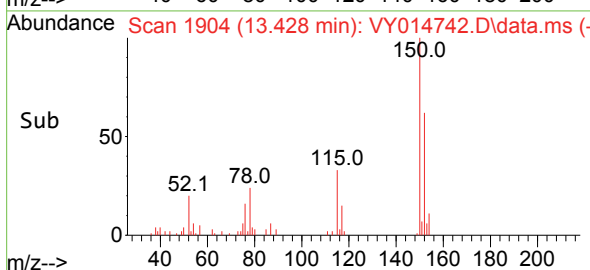
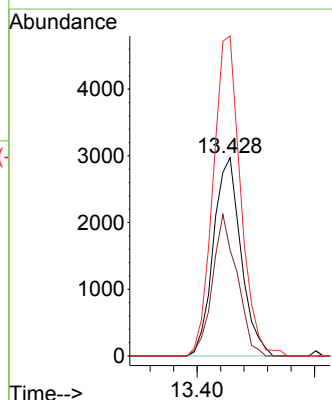
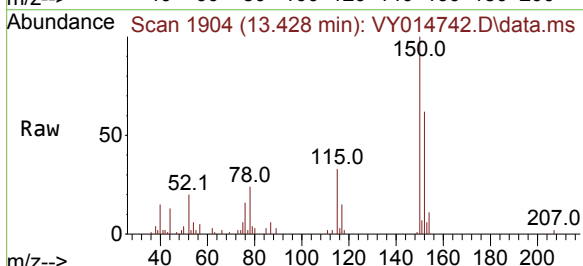
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

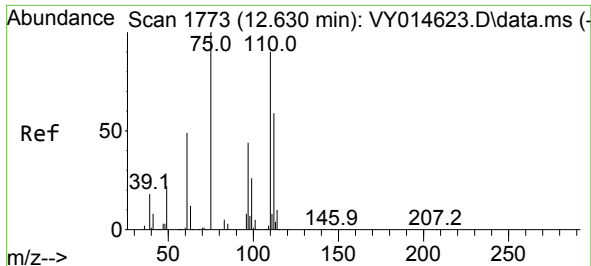
Tgt Ion:117	Resp:	12907
Ion Ratio	Lower	Upper
117	100	
82	55.9	43.4 65.0
119	38.2	26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion:152	Resp:	4846
Ion Ratio	Lower	Upper
152	100	
115	63.6	28.8 86.5
150	160.5	0.0 348.8

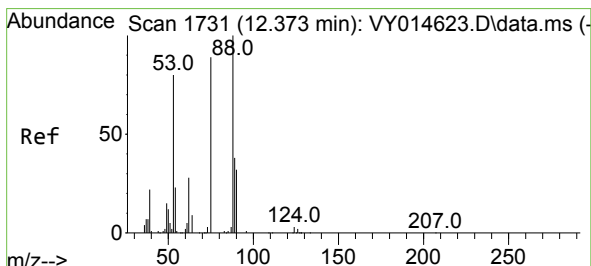
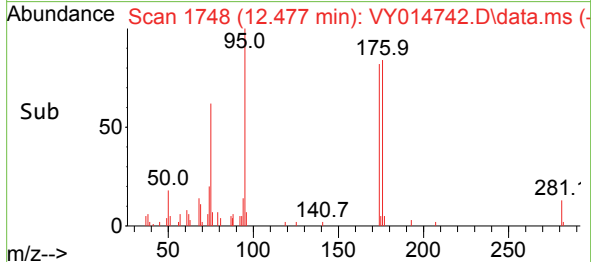
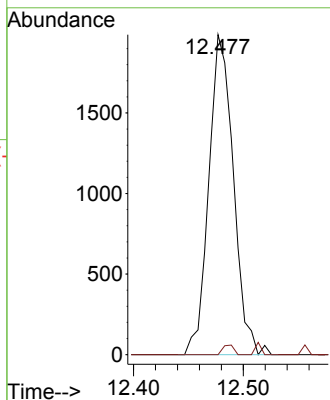
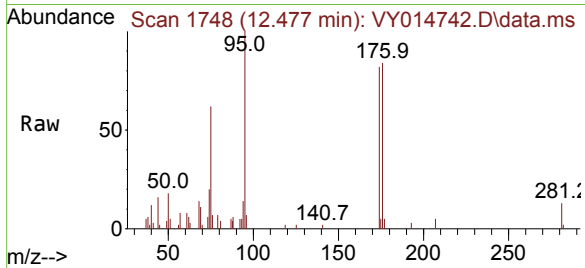




#76
1,2,3-Trichloropropane
Concen: 50.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

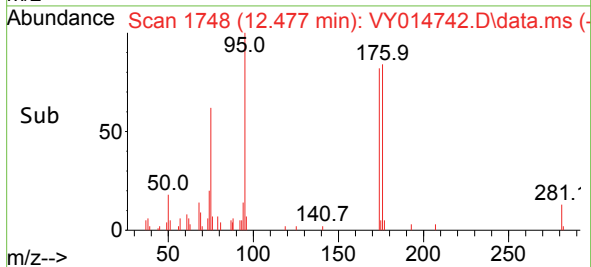
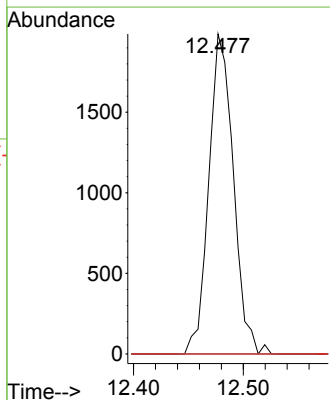
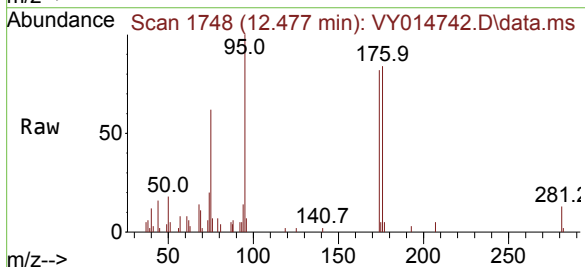
Instrument :
MSVOA_Y
ClientSampleId :
BUR-1276RE

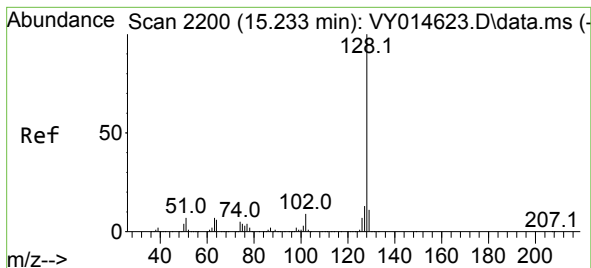
Tgt Ion: 75 Resp: 3094
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.879 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014742.D
Acq: 21 Jul 2023 13:21

Tgt Ion: 75 Resp: 3094
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.839 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY014742.D

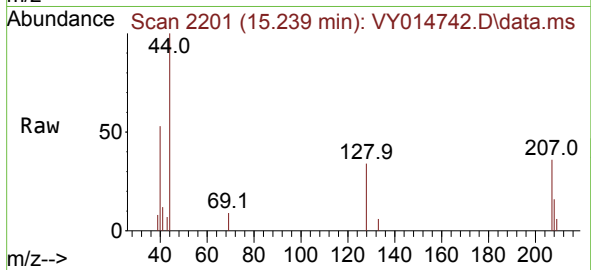
Acq: 21 Jul 2023 13:21

Instrument :

MSVOA_Y

ClientSampleId :

BUR-1276RE



Tgt Ion:128 Resp: 420

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

